

# CNDLP.org – Equivalency Test Review Guide

---

## Language Arts & Reading

### 1) HOW SHOULD WE LIVE OUR LIVES?

#### BARTER

Life has loveliness to sell-  
All beautiful and splendid things,  
Blue waves whitened on a cliff,  
Climbing fire that sways and sings,  
(5) And children's faces looking up  
Holding wonder like a cup.

Life has loveliness to sell-  
Music like a curve of gold.  
Scent of pine trees in the rain,  
(10) Eyes that love you, arms that hold,  
And for your spirit's still delight,  
Holy thoughts that star the night.

Spend all you have for loveliness,  
Buy it and never count the cost.  
(15) For one white singing hour of peace  
Count many a year of strife well lost,  
And for a breath of ecstasy  
Give all you have been or could be.

-Sara Teasdale

The main idea of the poem is to urge us

- not to become involved
- to avoid strife
- to be cautious in life
- to despise the ugly part of life
- to enjoy life's treasures

---

### 2) The beauty of nature is indicated in line

- 10
- 12
- 16

- 3
  - 6
- 

3) There is a simile (comparison) in line

- 10
  - 16
  - 2
  - 4
  - 8
- 

4) The poet includes the spiritual in life with the words

- "arms that hold"
  - "children's faces"
  - "climbing fire"
  - "holy thoughts"**
  - "year of strife"
- 

5) The word barter means exchange by trade without money. In the poem the exchange is

- a year of strife for ecstasy
  - children's faces for wonder
  - music for a curve of gold
  - personal commitment for life's beauty**
  - spirit's delight for peace
- 

6) How did one village bring disaster on itself? On a morning in early spring, 1873, the people of Oberfest left their houses and took refuge in the town hall. No one knows why precisely. A number of rumors had raced through the town during recent weeks, were passed on and converted to news; predictions became certainties. On this particular morning, fear turned into terror, and people rushed through the narrow streets, carrying their most precious possessions, pulling their children and dashing into the great hall. The doors were nailed shut, and men took their turns watching out the window. Two days passed. When no disaster came, the fear grew worse, because the people began to suspect that the danger was already in the hall, locked inside. No one spoke to anybody else; people watched each other, looking for signs. It was the children who rang the great bell in the first bell tower—a small band of bored children found the bell rope and swung on it—set the bell clanging. This was the traditional signal of alarm, and in a moment the elders were dashing in panic to

all the other bell towers and ringing the bells. For nearly an hour, the valley reverberated with the wild clangor-and then, a thousand feet above, the snow began to crack, and the avalanche began; a massive cataract of ice and snow thundered down and buried the town, silencing the bells. There is no trace of Oberfest today, not even a spire, because the snow is so deep; and, in the shadow of the mountains, it is very cold.

Which element is especially significant in this passage?

- dialogue
  - illustrations
  - levels of usage
  - rhythm
  - setting
- 

7) Which is the most valid conclusion regarding the theme of the passage?

- It is a minor feature of the passage.
  - It is implied, but not stated.
  - It is not related to the plot.
  - It is related to the topic sentence.
  - It is stated, rather than implied.
- 

8) The alarm, traditionally sounded to avert danger, became the apparent cause of the avalanche is an example of

- exaggeration
  - irony
  - personification
  - satire
  - simile
- 

9) The effect of the last phrase of the passage, "it is very cold," depends mainly on

- comparison
  - connotation
  - rhyme
  - rhythm
  - sound
-

10) Which word best expresses the main idea of the passage?

- disaster**
  - faith
  - nostalgia
  - rumors
  - suspicion
- 

11) What is it that brings together a family? We all love music, From the very beginning, even back in Italy before my oldest brother, Beppe, was born, the Esposito house had music in it. And after Mamma and Papa got to America and could afford it, there was a piano, and Angelina and Beppe took lessons. Later there was a violin for Giovanni, and Mamma, who had done some singing herself before she got married, taught Enrico to sing, because he had the best voice, and maybe just a little because his name was Enrico. As for me, I'm learning to play the piccolo in the school band.

There was more than music to our Sundays in the parlor. There was the being together, and for me that was the best of all. During the week we were all running in and out of the house to and from school and work; only at supper could we be together, and then only for a little while, because Angelina had her night classes at business college, and Beppe and Giovanni were turning out for basketball at the YMCA. and Enrico practiced his singing in the bedroom with the door closed, and Mary Alice and I had our homework. So it was really only Sunday in the evening that we could gather in the parlor with lights dim and listen while Papa played the operas of Verdi and the symphonies of Beethoven.

The narrator is referred to as

- Angelina
  - Beppe
  - Enrico
  - Giovanni
  - I**
- 

12) During the week, the narrator

- did homework**
  - had night classes
  - played basketball
  - sang
  - was at the YMCA
-

13) The Esposito children numbered

- 3
- 4
- 5
- 6
- 7

---

14) The most important thing to the narrator was

- being together on Sunday
- his band
- his homework
- Mamma and Papa
- music

---

15) The family most liked to

- converse together
- eat supper together
- listen to classical music
- play music together
- sing together

---

16) First Federal EMPLOYEE HANDBOOK Sexual harassment FIRST FEDERAL Corporation will not, under any circumstances, condone or tolerate conduct which may constitute sexual harassment on the part of its management, supervisors or non-management personnel. It is our policy that all employees have the right to work in an environment free from any type of illegal discrimination, including sexual harassment. Any employee found to have engaged in such conduct will be subject to immediate discipline up to and including discharge.

Any employee found to be engaged in the conduct of sexual harassment will be subject to immediate discipline up to and including discharge.

Sexual harassment is defined as:

1. Making submission to unwelcome sexual advances or requests for sexual favors a term or condition of employment;
2. Basing an employment decision on submission or rejection by an employee of unwelcome sexual advances, requests for sexual favors or verbal or physical contact of a sexual nature;

3. Creating an intimidating, hostile or offensive working environment or atmosphere either by

verbal actions, including calling employees by terms of endearment; using vulgar, kidding or demeaning language; or

physical conduct which interferes with an employee's work performance.

We, at FIRST FEDERAL, do encourage healthy fraternization among its employees; however, employees, especially management and supervisory employees, must be sensitive to acts of conduct which may be considered offensive by fellow employees and must refrain from engaging in such conduct.

It is, also, expressly prohibited for an employee to retaliate against employees who bring sexual harassment charges or assist in investigating charges. Retaliation is a violation of this policy and may result in discipline, up to and including termination. No employee will be discriminated against, or discharged, because of bringing or assisting in the investigation of a complaint of sexual harassment. What is the main purpose of the company policy manual on sexual harassment?

- to assist employees so that they may interact better among themselves.
- to create an atmosphere of fear so that those who have been sexually harassed do not pursue their claim.
- to enable the human resources department to better monitor employee behavior.
- to protect all employees right to work in an environment free from any type of illegal discrimination.
- to set up employee requirements for professional development.

---

17) How can the policy of First Federal toward general fraternization between employees be summarized?

- cautious
- favorable
- independent
- open
- unobstructed

---

18) If the reader were to study another page from the company's employee handbook, the reader could expect what general attitude regarding employee substance abuse?

- forgiveness
- indifference
- regulation

- tolerance
  - understanding
- 

19) How is this excerpt organized?

- debate of public versus personal philosophies
  - general policy statement without specific performance standards
  - rules for behavior supported by warnings of consequences and examples
  - specific topics followed by explanations
  - statements of fact supported by personal stories
- 

20) If you were in charge of First Federal and you wanted to hire someone to train your employees so that they could better follow this policy, what primary attributes would you want in this person?

- honesty and integrity
  - human relations skills
  - knowledge about the company's product
  - managerial skills
  - manufacturing skills
- 

21) 1 Nutritional food buying emphasizes the "Basic Four". 2 Backpacking also has its basic four, these being, in order of importance, hiking shoes, the backpack, sleeping gear, and shelter.

3 Selection of hiking shoes should be your first concern. 4 Even a one-day hike can be misery without comfortable shoes.

5 Today's hikers prefer a shoe that is six inches high, is made of leather, and thick sturdy composition soles. 6 Break the shoes in thoroughly on short walks before going on any extended hike.

7 When purchasing a backpack, you will find an almost bewildering array of makes! styles, and materials to choose from. 8 The backpacking frame must have both shoulder straps and a waist strap. The latter strap being of such design as to permit much of the weight of the pack to rest on the sturdy hip bones rather than on the more fragile shoulder bones.

9 The sleeping bag and its two accessories (ground cloth and mattress) are next on the list of basics.

10 The fourth and last of the basic four is the tent or other emergency shelter. 11 An inexpensive shelter is the plastic tube tent.

Sentence 1: Nutritional food buying emphasizes the "Basic Four". What correction should be made to this sentence?

- change emphasizes to emphasize
  - insert a hyphen in food buying
  - no correction is necessary
  - place the period within the quotation marks
  - remove the capital from Four
- 

22) Sentence 2: Backpacking also has its basic four, these being, in order of importance, hiking shoes, the backpack, sleeping gear, and shelter.

What correction should be made to this sentence?

- change being to are
  - change its to it's
  - change the colon to a semicolon
  - no correction is necessary
  - remove the comma after gear
- 

23) Sentences 3 and 4: Selection of hiking shoes should be your first concern. Even a one-day hike can be misery without comfortable shoes.

The most effective combination of sentences 3 and 4 would include which of the following groups of words?

- concern, also even
  - concern, although even
  - concern, because even
  - concern, if even
  - concern, whereas even
- 

24) Sentence 5: Today's hikers prefer a shoe that is six inches high, is made of leather, and thick sturdy composition soles.

What correction should be made to this sentence?

- insert a comma after shoe
- insert has before thick
- no correction is necessary
- remove the apostrophe from today's

- remove the comma after high
- 

**25)** Sentence 6: Break the shoes in thoroughly on short walks before going on any extended hike.

Which of the following is the best way to write the underlined portion of this sentence? If you think the original is the best way, choose option (1).

- walks before
- walks, before
- walks. before
- walks. Before
- walks: before
- 

**26)** Sentence 7: When purchasing a backpack, you will find an almost bewildering array of makes, styles, and materiels to choose from.

What correction should be made to this sentence?

- change the spelling of almost to allmost
- change the spelling of materiels to materials
- no correction is necessary
- remove the comma after backpack
- remove the comma after makes
- 

**27)** Sentence 8: The backpacking frame must have both shoulder straps and a waist strap. The latter strap being of such design as to permit much of the weight of the pack to rest on the sturdy hip bones rather than on the more fragile shoulder bones.

Which of the following is the best way to write the underlined portion of these sentences? If you think the original is the best way, choose option (1).

- strap, The
- strap, the
- strap. The
- strap. the
- strap: the
- 

**28)** Sentence 9: The sleeping bag and its two accessories (ground cloth and mattress) are next on the list of basics.

If you rewrote sentence 9 beginning with Next on the list of basics

the next word(s) should be:

- are**
  - ground cloth and mattress
  - is
  - its two accessories
  - the sleeping bag
- 

**29)** Sentences 10 and 11: The fourth and last of the basic tour is the tent or other emergency shelter. An inexpensive shelter is the plastic tube tent.

The most effective combination of sentences 10 and 11 would include which of the following groups of words?

- shelter of which an inexpensive shelter is
  - shelter such as the inexpensive plastic tube tent**
  - shelter whose inexpensive shelter is
  - shelter: an inexpensive shelter is
  - shelter; an inexpensive shelter is
- 

**30)** 1 Housing is the hub of the family's private world, the nature of housing has a direct effect on the quality of family life. 2 It effects the health, time, and energy required to rear a family and care for its members, self-related attitudes, morale, and satisfaction with one's station in life. 3 It also affects the way in which one family relates to another, to the neighborhood, and to the community.

4 Families do not want, expect, or require dwellings that is identical. 5 Families with limited means are more interested in securing clean, safe, and reasonably comfortable housing than to find quarters that are especially psychologically stimulating. 6 At the same time many families having greater incomes can take basic shelter for granted and proceed to satisfy higher level needs in housing.

7 Nevertheless, as a nation we are being more and more concerned with housing that does far more than support physical survival. 8 In other words, essentially all American families are upgrading their housing goals and expectations, 9 And the dominant housing image remains the single-family house.

10 Only when families are more articulate in identifying their needs and when builders and public policy become more sensitive to human needs will the nation have a variety of good housing designed, built, and serviced in line with family purposes.

Sentence 1: Housing is the hub of the family's private world, the nature of housing has a direct effect on the quality of family life.

Which of the following is the best way to write the underlined portion of this sentence? If you think the original is the best way, choose option (1).

- world, the
  - world. the
  - world. The
  - world: The
  - world; The
- 

**31)** Sentence 2: It effects the health, time, and energy required to rear a family and care for its members, self-related attitudes, morale, and satisfaction with one's station in life.

What correction should be made to this sentence?

- change the spelling of effects to affects
  - change the spelling of its to it's
  - change the spelling of morale to moral
  - no correction is necessary
  - remove the comma after members
- 

**32)** Sentence 3: It also affects the way in which one family relates to another, to the neighborhood, and to the community.

What correction should be made to this sentence?

- change also to nevertheless
  - change the spelling of neighborhood to nieghborhood
  - insert a comma after way
  - no correction is necessary
  - remove the comma after another
- 

**33)** Sentence 4: Families do not want, expect, or require dwellings that is identical.

What correction should be made to this sentence?

- change is to are
- change the spelling of families to family s
- change the spelling of identical to identicle
- no correction is necessary

- remove the comma after want
- 

**34)** Sentence 5: Families with limited means are more interested in securing clean, safe, and reasonably comfortable housing than to find quarters that are especially psychologically stimulating.

What correction should be made to this sentence?

- change the spelling of especially to especialy
- change the spelling of psychologically to phsycologically
- change to find to in finding
- no correction is necessary
- remove the comma after clean
- 

**35)** Sentence 6: At the same time many families having greater incomes can take basic shelter for granted and proceed to satisfy higher level needs in housing.

What correction should be made to this sentence?

- change can to must
- change the spelling of proceed to procede
- insert a comma after granted
- insert a comma after incomes
- no correction is necessary
- 

**36)** Sentence 7: Nevertheless, as a nation we are being more and more concerned with housing that does far more than support physical survival.

If you rewrote sentence 7 beginning with Housing that does far more than support physical survival

the next words would be:

- as a nation
- concerns us, as a nation,
- we are being
- we are concerned
- we, as a nation,
- 

**37)** Sentences 8 and 9: In other words, essentially all American families are upgrading their housing goals and expectations. And the dominant housing image remains the single-family house.

The most effective combination of sentences 8 and 9 would include which of the following groups of words?

- expectations although the single-family house remains
  - expectations but the single-family house remains
  - expectations despite the single-family house remaining
  - expectations since the single-family house remains
  - expectations with the single-family house remaining
- 

**38)** Sentence 10: Only when families are more articulate in identifying their needs and when builders and public policy become more sensitive to human needs will the nation have a variety of good housing designed, built, and serviced in line with family purposes.

If you rewrote sentence 10 beginning with

The nation

the next words should be

- are more articulate
  - become more sensitive
  - identifying their needs
  - serviced in line
  - will have
- 

## Mathematics

1) Express 2,750,389 in scientific notation.

- $0.2750389 \times 10^7$
  - $2.750389 \times 10^6$
  - $27.50389 \times 10^5$
  - $27.50389 \times 10^6$
  - $275.0389 \times 10^3$
- 

2) A basketball team has won 50 games of 75 played. The team still has 45 games to play. How many of the remaining games must the team win in order to win 60% of all games played during the season?

- 20
  - 21
  - 22
  - 25
  - 30
- 

3) A rectangle and a triangle have equal areas. The length of the rectangle is 12 inches, and its width is 8 inches. If the base of the triangle is 32 inches, what is the length, in inches, of the altitude drawn to the base?

- 12
  - 16
  - 6
  - 8
  - 9
- 

4) A school has 18 classes with 35 students in each class. In order to reduce class size to 30, how many new classes must be formed?

- 2
  - 3
  - 5
  - 6
  - 8
- 

5) A man drives  $x$  miles the first day,  $y$  miles the second day, and  $z$  miles the third day. The average mileage covered per day is

- $(X + Y + Z) / 3$
  - $(XY + Z) / 3$
  - $(XYZ) / 3$
  - $3XYZ$
  - $X + Y + Z$
- 

6) What is the slope of the line passing through points A (5,4) and B(0,3)?

- 1 / 10
- 1 / 5

- 3 / 5
  - 4 / 5
  - 5
- 

7) 1 kilometer =

- 1,000 centimeters
  - 1,000,000 millimeters
  - 10 meters
  - 10,000 centimeters
  - 100 meters
- 

8) Which of the following pairs of points both lie on the line whose equation is  $3x - y = 2$ ?

- (2,-2) and (1,5)
  - (2,4) and (1,5)
  - (2,4) and (3,7)
  - (3,-2) and (1,5)
  - (3,7) and (3,-2)
- 

9) If  $3x - 1 = 11$ , what is the value of  $x^2 + x$ ?

- 12
  - 15
  - 16
  - 18
  - 20
- 

10) A bell rings every 2 hours, a second bell rings every 3 hours, and a third bell rings every 4 hours. If all 3 bells ring at 9:00 AM. , at what time will all 3 bells next ring?

- 10:00 p.m.
- 6:00 p.m.
- 9:00 p.m.
- noon
- Not enough information is given.

---

11) A family spends 20% of its monthly income on food, 23% on rent, and 42% on other expenses and saves the balance. If the family saves \$360 per month, what is its monthly income?

- \$2,000
- \$2,200
- \$2,400
- \$2,500
- \$28,800

---

12) How many 4-inch by 8-inch bricks are needed to build a walk 6 feet wide and 24 feet long?

- 1,000
- 54
- 600
- 648
- 840

---

13) Each of the numbers below is a solution of the inequality  $2x + 3 > 7$  EXCEPT

- 0
- 10
- 3
- 4
- 5

---

14) A room is 24 feet long, 18 feet wide, and 9 feet high. How many square yards of wallpaper are needed to paper the four walls of the room?

- 180
- 72
- 756
- 84
- 96

---

15) The diameter of one bicycle wheel is 28 inches and its spokes run from the hub (or center) to the edge of the rim. The diameter of another bicycle wheel 21 inches. What is the difference in inches between the length of the spokes of the two wheels?

- 12
  - 3.5
  - 4.5
  - 7
  - 8
- 

16) After working 4 hours, Frank has made 21 machine parts. At the same rate, how many parts can he make in 7 hours?

- $4(21) / 7$
  - $7(21)$
  - $7(21) / 4$
  - $7(4) / 21$
  - $7(4)(21)$
- 

17) In his will, Mr. Adams left 25% of his estate to his wife and unevenly divided the balance between his son and his daughter. If the son received \$36,000 as his share, what was the total value of the estate?

- \$45,000
  - \$72,000
  - \$80,000
  - \$90,000
  - Not enough information is given.
- 

18) 228 people have registered for a sightseeing tour of the Grand Canyon . If a tour director can take 35 people on each tour , how many tour directors will be needed to accomodate everyone?

- 5
  - 6
  - 7
  - 8
  - 9
- 

19) Jennifer bought a brand new sports car. The price of the car was \$14,900 including sport wheels, an AM/FM CD stereo, and automatic transmission. The dealer gave her a \$1,250 instant rebate on the price and 0% interest for 60 months. Jennifer made a down payment of \$750. What would be the expression for Jennifer's

monthly payments if she takes 60 months to pay the remaining balance?

- $(14900 + 750 + 1250) / 60$
  - $(14900 - (750 + 1250)) / 60$
  - $(14900 - 750 - 1250) * 60$
  - $14900 + (750 - 1250) / 60$
  - $14900 / (750 + 1250 * 60)$
- 

20) Select the number that matches the written value: eight thousandths

- .008
  - .08
  - .8
  - .8000
  - 8000
- 

21) Select the number that matches the written value: four and nine tenths

- .049
  - .409
  - .49
  - 4.9
  - 49
- 

22) Select the number that matches the written value: two thousand twenty-three

- .2023
  - 2.023
  - 2.23
  - 2023
  - 2230
- 

23) Select the number that matches the written value: three hundred and twenty-one thousandths

- .0321
- .321
- 3.021

300.021

3210

---

24) John was building a new fence, and he wants it to stand  $8\frac{1}{2}$  feet above ground level. To make sure it is secure he must place it  $2\frac{3}{4}$  feet into the ground. How long of a post should John buy?

10  $\frac{1}{2}$  feet

10  $\frac{3}{4}$  feet

11  $\frac{1}{2}$  feet

11  $\frac{1}{4}$  feet

11 feet

---

25) Heather is buying a T-Shirt for \$8. Sales tax is  $8\frac{1}{4}$  cents per dollar. How much will Heather pay in sales tax on her purchase?

\$0.0825

\$0.33

\$0.50

\$0.66

\$0.75

---

26) Louis and his family are going to the zoo. The price of a bus ticket is \$1.00, but the family has some coupons. If Louis pays full price, his wife pays  $\frac{2}{3}$  of the regular price, and the two children pay  $\frac{1}{2}$  of the regular price. How much will it cost for the family to take the bus?

\$1.66

\$2.66

\$3.00

\$3.66

\$4.00

---

## Science

1) Scientists performed an experiment to determine whether there is a connection between learning ability and food. They took two groups of 20 mice each, all from the same purebred strain. The mice were deprived of food for 3 days and then given a standard learning session in running through a maze. They were trained by giving them a mild electric shock whenever they took a wrong turn. Immediately after each

learning session, one group of mice was fed, but the other was not. A week later, all of the mice were tested to see whether they could still run the maze correctly. The group that had been fed had retained this ability, but the other group had not. The probable reason that the scientists used only mice from the same pure-bred strain is so that:

genetic differences would not affect the outcome of the test

the experiment could be repeated with the same mice

the experiment wouldn't cost as much

the mice would all be the same color

the mice would all be the same size

---

2) Chemical fertilizers stimulate plant growth; but if the concentration is too high, they may damage roots. What precautions concerning chemical fertilizers must a gardener take?

Apply as much as possible without damaging roots.

Do not apply chemical fertilizers.

Give the plants only tiny amounts.

Use only the amount recommended.

Use them only on some of his or her plants

---

3) Amniote vertebrates are generally classified into three orders: Reptilia, Aves (birds), and Mammalia. Of the following, which group of three animals contains one member of each order?

African lion, sea otter, herring gull

Beluga whale, black-footed ferret, box turtle

house sparrow, garter snake, African elephant

ostrich, American robin, Norway rat

timber rattlesnake, fence lizard, leopard

---

4) As temperature rises, solids generally become more soluble in water, but gases become less soluble. If a soft drink contains high concentrations of sugar and carbon dioxide, which of the following may be expected to happen if it is cooled down? 1. Sugar may precipitate out. 2. Gas bubbles may form and produce foam. 3. Water may evaporate rapidly.

A and B only

A and C only

A only

- B and C only
  - B only
- 

5) Ions are electrically charged particles that are formed when certain compounds are dissolved in water. These solutions will conduct electricity. The Swedish scientist Svante Arrhenius coined the term ion (which means wanderer) to explain why solutions of electrolytes will conduct an electric current. When an electrolyte forms into a solution, it dissolves or dissociates into ions, a process called ionization. If a substance does not ionize, it will not conduct an electric current. Electrolytes include most acids, bases, and salts. Some conductors include hydrogen and sodium chloride, copper sulfate, and potassium nitrate. Substances that are not electrolytes include distilled water, sugar water, and most organic compounds. Which of the following is a nonelectrolyte?

- C 3 H 8 (propane gas)**
  - H 2 SO 4 (sulfuric acid)
  - HCL (hydrochloric acid)
  - HNO 3 (nitric acid)
  - NaCl (table salt)
- 

6) Which of the following compounds in the liquid phase can be considered an electrolyte?

- CO 2 (carbon dioxide)
  - CuO (oxidized copper)
  - H 2 O (distilled water)
  - H 2 O 2 (hydrogen peroxide)
  - NaCl (sodium chloride)**
- 

7) An object accelerates (changes its speed) only if the forces acting on it in one direction are greater than the forces in the opposite direction, All of the following objects will accelerate EXCEPT

- a ball striking a wall, in which the force of the ball on the wall is equal to the force of the wall on the ball
  - a gas balloon in which the buoyant force is greater than its weight and air resistance
  - a man in a parachute when the air resistance is less than his weight
  - a rocket fired straight up, when the engine thrust is equal to the air resistance
  - an airplane in horizontal flight when the thrust of the engine is equal to the drag of the air**
-

8) Humidity is the amount of water vapor in the air at a given time. At warm temperatures, air can hold more moisture than it can at cold temperatures. Relative humidity is the amount of vapor the air is holding expressed as a percentage of the amount the air is capable of holding. For example, at 86 degrees Fahrenheit, air can hold a maximum of 30.4 grams of water per cubic meter. If the air at the same temperature is holding only 15.2 grams of water, the relative humidity is 50 percent. At the point at which the air becomes saturated (exceeds the level of water vapor it can hold), it releases water vapor in the form of dew or condensation. If the air at 75 degrees's holding the maximum amount of moisture that it can, and the temperature suddenly drops to 60 degrees, what is likely to be the result?

- Precipitation will be released in the form of hail.
  - Precipitation will be released in the form of rain.
  - Precipitation will be released in the form of snow.
  - The humidity will remain unchanged.
  - The relative humidity will decrease.
- 

9) The Smiths have four children, all girls. Their fifth child is a boy. Why did this change occur?

- the "law of averages" finally catching up.
  - the conception classes taken by the parents.
  - the father's contribution of a Y chromosome.
  - the mother's contribution of a Y chromosome.
  - the timing of the fertility cycles.
- 

10) Air is composed of nitrogen, oxygen, argon, carbon dioxide, and other gasses. How may air be best described?

- a compound
  - a mixture
  - a solution
  - an alloy
  - an amalgam
- 

11) Table salt - sodium chloride, one of the most common substances occurring in nature - is best classified as which of the following?

- a compound
- a mixture
- a solution

- an alloy
  - an amalgam
- 

## Social Studies

1) The most useful indicator of the degree of democracy reached by a particular society is whether it has a:

civilian government

- formal method whereby people can effect changes in government policy
  - system of government checks and balances
  - system of liberal and humane courts
  - two-house legislature
- 

2) "Without our two great political parties cutting across economic and geographic interests, democracy as we know it could never have been made to function." The author of this statement probably meant to suggest that

an important feature of the U.S. political system is the broadly based appeal of the two political parties

- each political party appeals to a different social class
  - only a two-party system can function in a democracy
  - political parties in the United States tend to represent sectional interests
  - there is no significant difference between the Democratic and Republican parties
- 

3) A study of the causes of the American Revolution of 1776, the French Revolution of 1789, and the Russian Revolution of 1917 best supports the generalization that revolution is most likely to occur when

- a society has a lower standard of living than those around it
- a society has become industrialized
- people are given too much voice in their government
- stable governments are in power

those in power are resistant to change

---

4) The task of economic policy is to create a prosperous America. The unfinished task of prosperous Americans is to build a Great Society. Our accomplishments have been many; these tasks remain unfinished: > to achieve full employment without inflation; > to restore external equilibrium and defend the dollar; > to enhance the

efficiency and flexibility of our private and public economies; > to widen the benefits of prosperity; > to improve the quality of American life -Lyndon B. Johnson Former President Lyndon felt that the most important first step in the war against poverty is

- a sound dollar
  - efficiency in government
  - full employment**
  - our natural defense
  - private and public economics
- 

5) The task of economic policy is to create a prosperous America. The unfinished task of prosperous Americans is to build a Great Society. Our accomplishments have been many; these tasks remain unfinished: > to achieve full employment without inflation; > to restore external equilibrium and defend the dollar; > to enhance the efficiency and flexibility of our private and public economies; > to widen the benefits of prosperity; > to improve the quality of American life -Lyndon B. Johnson The speech implies that America's prosperity

- is at its peak
  - is threatened
  - must be broadened**
  - must be retained
  - threatened Johnson's war against poverty
- 

6) From the point of view of an environmentalist, which is probably the most significant argument against offshore drilling for oil?

- Coal is a preferable resource to oil.
  - Oil corporations are falsely advertising an oil shortage in order to expand their drilling operations.
  - The possible harm to the balance of nature is more important than a gain in energy.**
  - The potential oil to be found is not worth the capital investment needed to extract it.
  - There is little need to take such natural resources from the ocean waters.
- 

7) Topography deals with surface features of a region, including its landforms and rivers, lakes, etc., and with man-made features such as canals, bridges, and roads. According to this definition, the topography of a region includes its

- animals
- climate

- inhabitants
  - mountains
  - plants
- 

8) Between 1935 and 1957, a period that included World War II, the birth rate rose from 16.9 to 25 per 1000 people. What was the most likely cause of this "baby boom"?

- the change in view toward artificial birth control methods
  - the expansion of the middle class and its new wealth
  - the growth of the urban/suburban areas after World War II
  - the mobility of the American family of the 1950's
  - the return of young American soldiers from war
- 

9) The president of the United States is elected by the electoral college. What type of system is this?

- dictatorship
  - monarchy
  - oligarchy
  - pure democracy
  - representative democracy
- 

10) In ancient Athens (Greece) tribes and generals took turns at power. This is an example of what type of political system?

- dictatorship
  - monarchy
  - oligarchy
  - pure democracy
  - representative democracy
- 

11) What type of political system is headed by Queen Elizabeth II of England?

- dictatorship
- monarchy
- oligarchy
- pure democracy

representative democracy

---

**12)** The Bubonic Plague of the mid-fourteenth century was the most devastating natural disaster in European History. We now know that this plague was caused by rats that were infected by bacteria-carrying fleas. The rats carried the disease as they were unknowingly transported with cargo ships through trade routes. A third of the entire population of Europe is thought to have been killed by this plague. What caused the Bubonic Plague?

- a disease carried by sailors through trade routes.
  - a highly contagious virus spread by human contact.
  - fleas on rats that carried the deadly bacteria through trade routes.
  - poor sanitation in crowded European cities.
  - rats that carried the disease through crowded cities.
-