Water Cycle Unit Test

Name: __________________

Multiple Choice (2 pts each):

1. What is the source of energy for all parts of the water cycle?

A. Wind
B. The Ocean
C. Soil
D. The Sun

2. Which of the following processes would result in water pollution?

A. Rinsing your parents’ car with water every day
B. Leaving the water on while brushing your teeth
C. Forgetting to clean up after your dog when he makes waste outside
D. Taking a shower for less than ten minutes each day

3. Surface water is heated and changes to a gas in a cloud

(a) ________________  In the atmosphere, the gas cools and is changed back to a liquid

The water cycle is made up of three processes that work together. Which process is missing at space “(a)” above?

A. The water falls from atmosphere as rain, ice, or snow.
B. The liquid becomes freezes and becomes ice.
C. The sun dries up the water in the clouds.
D. The water stays in the clouds

4. Which is an example of condensation?

A. 12 inches of snow fall on December 12th.
B. On a hot day, water on the sidewalk quickly disappears.
C. During a hurricane, 3 inches of rain fall in an hour.
D. A layer of water appears on the outside of a cup of ice water soon after it was poured.
5. What is the best definition of a reservoir?

A. A man-made lake used to store water for community use  
B. A place where community residents can swim and bathe  
C. A building where water is cleaned  
D. A tool to measure the amount of rainfall in a community

6. Mark notices a puddle of water on his way home from school. The next day the puddle is gone. What most likely happened to the puddle of water?

A. It melted.  
B. It condensed  
C. It precipitated  
D. It evaporated

7. Which would help conserve water?

A. Water the lawn every day  
B. Wash the car every day  
C. Turn off the water while brushing teeth  
D. Run the dishwasher after each meal

8. Martina only washes her sweater after she has worn it several times. Martina is helping the environment by —

A. wasting water  
B. reusing water  
C. recycling water  
D. conserving water

9. As time goes by, and water goes through the water cycle again and again, the amount of water on Earth _______.

A. Increases  
B. Decreases  
C. Stays the same  
D. Goes up and down

10. Snow and hail are examples of _________________.

A. Runoff  
B. Precipitation  
C. Condensation  
D. Water vapor
11. The water that was around when many hundreds of years ago:
A. Is gone, and has been for a long time
B. Is about halfway gone
C. Is the same water we use today
D. Would be really dirty if it were still around

12. Once water makes it all the way through the water cycle, the water __________.
A. Starts the cycle over again
B. Has finished that cycle and moves onto a different cycle
C. Disappears
D. Stays in the stage at which it finished

13. Where do most residents of Williamsburg get water for their homes?
A. The James River
B. Waller Mill Reservoir
C. York River
D. Atlantic Ocean

14. Which is not a way water gets cleaned?
A. Families put tablets in their drinking water before drinking
B. Filters are attached to faucets to sort out particles
C. Water goes through a treatment plant
D. Bleach is added to water before drinking

15. All rivers flow to oceans or lakes because water —
A. can evaporate
B. flows downhill
C. is clear
D. can freeze
16. The picture shows a glass of cold water. There are water drops on the outside of the glass. Where did the water come from?

A. It leaked through the glass.
B. It was sweat from a person.
C. The glass was tipped over by someone.
D. It condensed from the warmer air meeting the cold glass.

17. When water evaporates, it changes into a —

A. solid
B. mixture
C. gas
D. solution

18. What can we do to reduce water pollution?

A. Pour chemicals into drains
B. Use lots of fertilizer
C. Dump trash into lakes
D. Clean up oil spills properly

19. Which of these is an example of liquid water?

A. Frost
B. Ice
C. Rain
D. Steam
20. Which of these warms most of the air, water, and land on Earth?

A. Coal
B. Electricity
C. Sunlight
D. Wind

21. An ice cube placed in sunlight melts quickly. Which BEST explains this event?

A. The Sun is far away.
B. The Sun makes heat.
C. The ice cube is a solid.
D. The ice cube looks clear.

22. Which is not a place that a wild animal would get water?

A. River
B. Faucet
C. Stream
D. Lake

Supply Response (20 pts total)

23. List the three states of matter in which water exists, along with what water is called in that state. (6 pts total)

State of matter: __________________________ Name of water: __________________________

____________________________________

____________________________________

____________________________________
24. In class, we discussed many ways that people **conserve** water. Using complete sentences, give 3 ways that you could conserve water **at home**. (4 pts total)
   1. ____________________________________________________________________
   ____________________________________________________________________
   2. ____________________________________________________________________
   ____________________________________________________________________
   3. ____________________________________________________________________
   ____________________________________________________________________

25. There are three stages of the water cycle, pictured below. (6 pts total)
   I. Label each letter with the correct stage in the water cycle that is occurring.
   II. Write sentence explaining what’s happening at that stage in the picture.

   ![Water Cycle Diagram]

   a. Stage: __________________________

      What’s happening? _____________________________________________________

   b. Stage: __________________________

      What’s happening? _____________________________________________________

   c. Stage: __________________________

      What’s happening? _____________________________________________________
26. Below there is a picture of a person and an animal. Next to each picture, list the *most likely* source of their drinking water. (2 pts total)

______________________________________

_______________________________________
Water Cycle Unit Test

Answer Key:

1. D
2. C
3. A
4. D
5. A
6. D
7. C
8. D
9. C
10. B
11. C
12. A
13. B
14. D
15. B
16. D
17. C
18. D
19. C
20. C
21. B
22. B
23. Solid (Ice), Liquid (Liquid Water), Gas (Water Vapor)

Rubric: 6 points total

<table>
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<tr>
<th>States of matter</th>
<th>3</th>
<th>2</th>
<th>1</th>
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<td>The student listed three of the states of matter correctly.</td>
<td>The student listed two of the states of matter correctly.</td>
<td>The student listed one of the states of matter correctly.</td>
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<table>
<thead>
<tr>
<th>Form that water is in</th>
<th>3</th>
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<td>The student named all three of the water forms correctly.</td>
<td>The student named two of the water forms correctly.</td>
<td>The student named one of the water forms correctly.</td>
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24. Sample answers include: I could turn the water off while I brush my teeth. I could wear some of my clothes more than one time before washing them. My family could wait until the dishwasher is full to run it. (etc)

Rubric: 4 points total
4 points: Student has three correct ways that people conserve water, and the answers are written in complete sentences.
3 points: Student has three correct ways that people conserve water, but that answers are not in complete sentences.
2 points: Students has two correct answers. There is no third answer, or the third answer is not a true example.
1 point: Student has one correct answer. There are no second or third answers, or they are not true examples.

25. 1. Evaporation, 2. Condensation, 3. Precipitation. Sample Sentences could include: a. Water is evaporating from an ocean. b. Water vapor in the air is condensing and forming clouds. c. Clouds become heavy with liquid water and precipitation falls to the ground. etc.
Rubric: 6 points total

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<td>All three pictures are labeled correctly with the stage of the water cycle.</td>
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<td>All three sentences correctly describe what is happening in the picture.</td>
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<td>One of the sentences correctly describe what is happening in the picture.</td>
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26. A. Lake, River, Pond, etc B. Reservoir
Rubric: 2 points total
2 points: Student has two correct answers.
1 point: Student has one correct answer.
# Water Cycle Unit Test

## Sources for Questions

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<td>Virginia DOE. (2009). <em>Standards of learning spring 2009 released test grade 3 science</em>. Retrieved from...</td>
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