

## Water Science Worksheet

1. Making use of household products, build a 3-D model of the water atom. Explain its chemical composition.

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2. List and describe (verbally or orally) some characteristics of water that distinguish it from nearly all other elements?

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3. Making use of photos, diagrams or any other form of visual aid, illustrate the three states of water.

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\_\_2\_\_

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\_\_3\_\_

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4. Describe, illustrate or represent the difference between clouds, snow and rain.

\_\_Clouds\_\_

\_\_Snow\_\_

\_\_Rain\_\_

5. Through photos or diagrams, identify and list the five (5) main types of precipitation.

\_1\_\_\_\_\_

\_2\_\_\_\_\_

\_3\_\_\_\_\_

\_4\_\_\_\_\_

\_5\_\_\_\_\_

6. What is the boiling and freezing point of water?

Boiling \_\_\_\_\_

Freezing \_\_\_\_\_

7. Water Trivia:

a. What is the estimated weight of one gallon (4 liters) of water?

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b. The human body consists of how much water?

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c. What is the largest ocean on Earth?

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d. What is the largest lake in the World?

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e. What is the largest lake in North America?

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f. Can sound travel faster through water or air?

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g. What is the deepest point in the world's oceans?

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h. What is the longest river on Earth?

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i. How long can a person survive without water?

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j. What makes water hard?

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k. What uses the most water in households?

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l. What is the word used to describe how much water vapor is in the air?

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m. What is the name of the canal that connects the Pacific Ocean with the Atlantic Ocean?

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n. Which conducts heat more efficiently, water or air?

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o. How much water do you need to drink daily?

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p. What chemical is added to water to kill harmful germs?

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q. How many gallons/liters of water are used in a five-minute shower?

r. What is the longest navigable river in your country?

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s. T or F: (circle one ). Water is often called the universal solvent because many things can be dissolved in it.

8. How much of the earth is covered by water?

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9. How much of the earth's water is fresh water?

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10. Where is water found on earth?

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11. Select three (3) of the following and discuss at least one way water is used.

a. Agriculture

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b. Washing

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c. Drinking

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12. What is a body of water? Through photos, diagrams or sketches, be able to illustrate the following bodies of water below, naming one that can be found in your city, town, county or state, if possible.

- a. River
- b. Lake
- c. Sea
- d. Ocean
- e. Rapid
- f. Canal
- g. Creek
- h. Basin
- i. Glacier
- j. Gulf
- k. Harbor
- l. Lagoon
- m. Reservoir

13. Discuss with a group the biblical context of at least three (3) of the following texts as each relates to the significance of water in the Bible.

a Matthew 28:19

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b John 3:5

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c John 4:14

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14. Demonstrate a technique that can be used to convert salt water into clean drinking water.

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