

Questions for Quiz Bowl

1. If a person stands in water and gets hit by lightning, what could happen? A: shock, act like a lightning rod, carry the current, die
2. Outlets near water should have what safety feature? A: GFI (ground fault interrupters)
3. True or false: An electric appliance can be used safely near the bathtub. A: False
4. Whose expedition told the world about gold in the Black Hills? A: Custer
5. What is the name of the goldmine in the Black Hills that closed in 2002? A: Homestake
6. Gold is 19 times heavier than what liquid? A: Water
7. How long was the Homestake Mine open? A: 126 years
8. Electricity produced by water is called... A: Hydroelectricity
9. When a dam is built, water backs up, creating a lake or a what? A: Reservoir
10. A series of angled blades mounted to a central shaft and used in dams to produce hydroelectricity is called a: A: turbine
11. Name two types of recreation that can happen on a reservoir: A: fishing, boating, kayaking, canoeing, sailing, etc.
12. name two countries that are large users of hydroelectric power: A: United States, China, Russia, Brazil, Denmark and Egypt.
13. Where is the Three Gorges power plant located? A: China
14. How much of South Dakota's needed power is produced by hydroelectric dams? A: half
15. Insects that live in the water are called what? A: Aquatic insects
16. When an insect egg develops into a nymph and is similar to its adult form, it goes through what type of metamorphosis? A: simple metamorphosis
17. In complete metamorphosis, an insect egg changes into a larva, then a pupae, then what? A: An adult (form)
18. What kind of water forms a river? A: Surface water, standing water on land from either rain or melted snow.
19. The water that runs off the surface of land when it rains or when the snow melts is: A: Runoff
20. Water flows downhill into streams, ponds, rivers and lakes and eventually makes it where? A: The Ocean
21. . An area of land, small or large, that contains a set of stream and river that drain into a single larger body of water is called a: A: Watershed
22. All of the creeks and streams that drain into the Mississippi River eventually drain into where? A: The Gulf of Mexico
23. What is the world's longest river? A: Nile 4,145 miles long
24. When water soaks into the ground through soil and underlying rock layers, it is known as: A: Infiltration
25. When infiltration occurs, some of the water returns to the surface while the rest remains below. It is called: A: Groundwater
26. Anything abnormal added to the water system is called: A: Pollution or water pollution

27. Name two sources of water pollution: A: factory or industrial plants, fertilizers spread on fields, runoff of livestock wastes, soil from erosion, pesticides sprayed on lawns and crops, and materials washed from streets into storm drains.
28. A man-made structure built across a river is a: A: Dam
29. Name two reasons dams are constructed: A: control river flow, improve navigation, regulate/prevent flooding, and produce electricity.
30. What is the highest dam in the U.S.? A: Oroville Dam in California at 754 feet.
31. Land and water are the two most basic features on the face of the earth. The areas where these two great bodies meet are called A: shoreline
32. South Dakota hosts at least how many shorebird species during the summer and nesting season? A: A dozen
33. The slight film on the surface of a water drop that allows water bugs to "walk on water" is called... A: Surface tension
34. If water drops are allowed to air dry on a drinking glass, what will happen to the glass? A: it will get water spots
35. The change of state from a gas to a liquid is called ... A: Condensation
36. Freezing occurs when a liquid turns into what? A: A solid, or ice
37. The amount of water vapor in the air is: A: Humidity
38. The amount of water vapor the air is holding at a given temperature, compared to the total amount it could hold at that temperature is called: A: Relative humidity
39. Another name for billions of tiny drops of water that condensed in the sky is: A: A cloud
40. When a cloud touches the Earth's surface, it is known as... A: fog
41. What tool is used to measure the amount of precipitation falling from the sky? A: a rain gauge
42. What is the name of the chart used for forecasting weather? A: synoptic chart
43. An upper case red L on a weather map indicates what? A: Low pressure
44. When a warm front or a cold front stop moving, it becomes what? A: a stationary front
45. On a weather map, a large blue H indicates what? A: High pressure
46. The production of food crops by humans is also known as... A: Agriculture
47. When farmers manually add water to crops it is called... A: Irrigation
48. Name the earliest crop to be irrigated. A: Rice
49. Which group uses more of the Earth's fresh water – Agriculture or Industries? A: Agriculture at 65%
50. Can a town be built in the desert if there is irrigation? A: yes
51. The Verendrye brothers left a plaque in Ft. Pierre, proclaiming the land belonged to what country? A: France
52. Who found the Verendrye plate? A: children playing in Ft. Pierre in 1913
53. Who did Thomas Jefferson commission to lead a military

- expedition through the Louisiana Purchase? A: Lewis and Clark
54. What was George Catlin's job?
A: Artist/painter
55. Where did Lewis and Clark begin their journey? A: St. Louis, MO
56. The first cities in the U.S. were settled along what coast? A: Atlantic
57. When a harbor is deep enough for large ships, it is called a what? A: deep-water harbor
58. When cities grew inside the U.S. instead of along coast lines, where did they usually locate? A: near rivers (head of navigation)
59. Mills used what kind of power to turn grind stones? A: water power
60. In Sioux Falls, a mill was built along what river? A: The Big Sioux
Trains were pulled why what kind of water-using trains? A: steam engines
61. What did trains burn to turn water into steam? A: wood or coal
62. How far apart were towns usually built along railroad lines?
A: 10 to 15 miles apart
63. Name one of our earliest river towns. A: Yankton or Fort Pierre
64. Name a fashion made from beaver furs. A: coats, hats, purses
65. John Jacob Astor founded what company in 1808? The American Fur Company
66. The fur trading post near present-day Ft. Pierre, SD, was known as: A: Fort Pierre Chouteau
67. What kind of company did Manuel Lisa own? A: fur company/the Missouri Fur Company
68. American Indians and fur traders traded goods. Name two things that might have been traded for each other? A: variety of answers including pelts for jewelry, beads, ribbons, tools, mirrors, etc.)
69. By the time there weren't many beavers left in South Dakota, the Pierre Chouteau and Company mainly traded what kind of hides? A: bison/buffalo
70. Yes or No: If it's going to rain, should you water your yard first?
A: no
71. When there is lightening outside, where should you go? A: inside
72. If something electrical falls into the water, what should you do?
A: Don't try to get it. Get an adult to unplug it. Don't go in the water.
73. Heat from the sun causes water to become a gas or a _____? A: vapor
74. The ocean's water level does not rise, even though all rivers flow into it because of the _____. A: water cycle
75. To conserve water, you should do what while you brush your teeth? A: Turn off the tap in your bathroom while you brush your teeth.
76. If you want a cold drink of water and it takes a while for your water to get cold in the sink, what should you do? A: Fill a pitcher with tap water and put it in the fridge, rather than running the tap every time you want a cold drink!
77. To conserve water, you should clean sidewalks and driveways with a broom or the hose? A: a broom

78. To avoid evaporation, should you water your lawn in the morning or afternoon? A: Water your lawn in the early morning to avoid evaporation.
79. When a river overflows its bank, it is called what? A: A flood
80. What is the land bordering a river that floods often called? A: Floodplain or riparian zone
81. What are curves on the river called? A: meanders
82. What are the properties of water? A: Hydrogen and Oxygen or H₂O
83. What helps fish remove oxygen from the water so they can survive? A: Gills
84. What is SD's state fish? A: Walleye
85. How much water does the average human consume in a lifetime? A: 16,000 gallons
86. When falling snow combines with strong winds and often produces deep snow drifts, it is called a _____ A: Blizzard
87. What are the three forms of water that exist on earth? A: solid, liquid and gas
88. The production of food crops by humans is also known as... A: Agriculture
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