

# Brain POP DAMS

Date: \_\_\_\_\_

Name: \_\_\_\_\_

Class: \_\_\_\_\_

1 What can you infer about ancient Egypt and Mesopotamia from the fact that they needed dams for irrigation?

- A Their crops required more water than modern crops
- B Their societies were based in dry areas where it didn't rain a lot
- C They were unable to develop agriculture
- D They irrigated their crops with seawater, not river water

2 If a river flows from north to south, and you build a dam in the middle of it, where will the water accumulate?

- A On the north side of the dam
- B On the south side of the dam
- C On the east side of the dam
- D On the west side of the dam

3 Which word describes a reservoir?

- A Tidal
- B Shallow
- C Natural
- D Man-made

4 The word "aqueduct" is derived from two Latin words. "Aqua" refers to water. What can you infer about the meaning of the word "duct"?

- A It means "clean and drinkable"
- B It refers to rivers and streams
- C It refers to a channel or passageway
- D It refers to a blockage or impasse





5 How is water from a reservoir different from the water downstream from a dam?

- A Reservoir water is often colder, and poorer in nutrients
- B Reservoir water is often hotter, and richer in nutrients
- C Reservoir water is often contaminated by algae, fish, and other creatures
- D River water is almost always free of harmful chemicals

6 A hydroelectric dam converts what into electricity?


- A The temperature of water
- B The movement of water
- C The rise and fall of the tides
- D Water pressure

7 Which of the following is closest in design to a turbine?

- A  teeter-totter
- B  pulley
- C  piston
- D  fan blades

8 What can you infer from the fact that the Grand Coulee Dam is powerful enough to supply electricity to entire cities?

- A It must be located on a fairly large waterway
- B It must use ocean water instead of river water
- C It must also irrigate a lot of crops
- D It must be the biggest dam in the world

9  What is the purpose of the following structure?  
stairs in the water downstream side

- A It helps people cross the dam
- B It prevents reservoir water from damaging the rest of the river
- C It allows fish to travel upstream
- D It generates electricity

10 How can a dam increase shipping on a river or other waterway?

- A By clearing the fish out of a particular area of a river
- B By deepening a channel so larger ships can pass through it
- C By preventing harbors from flooding
- D Dams have nothing to do with shipping