

Bongo Bingo: Hydropower

Directions: Answer each true or false question below.

Questions

1. True or False: Hydropower is derived from burning hydrogen fuel.
2. True or False: The Three Gorges Dam in China is the world's largest hydropower operation.
3. True or False: A collection of water held behind a dam is called a reservoir.
4. True or False: Water enters through the spillways.
5. True or False: At a hydropower plant, energy from magnets makes a turbine spin.
6. True or False: Hydropower plants have the disadvantage of high air pollution.
7. True or False: Electricity is generated when magnets spin within a copper coil.
8. True or False: Magnets within the generator spin to produce electricity at a hydropower plant.
9. True or False: Hydropower is the second leading source of renewable energy worldwide.
10. True or False: In the U.S., hydropower is used widely in all 50 states, and accounts for much of our energy needs.
11. True or False: Even though the U.S. gets only about 7% of its electricity from hydropower, we have used almost all of our potential for hydropower.
12. True or False: Hydroelectric reservoirs can also be used for boating and irrigation.
13. True or False: Dams disrupt the natural flow of rivers and can harm wildlife.
14. True or False: Dam failure is common but rarely a serious threat of harm.
15. True or False: Fish ladders at hydroelectric plants give migrating fish a safe route around a dam.

Answers

1. False

Feedback: Hydropower is derived from the energy of moving or flowing water.

2. True

Feedback: The Three Gorges Dam in China is the world's largest hydropower operation.

3. True

Feedback: A collection of water held behind a dam is called a reservoir.

4. False

Feedback: Water enters through the penstock.

5. False

Feedback: Energy from moving water makes the turbine spin.

6. False

Feedback: Hydroelectricity produces very little air pollution.

7. True

Feedback: Electricity is generated when magnets spin within a copper coil.

8. True

Feedback: Magnets within the generator spin to produce electricity at a hydropower plant.

9. False

Feedback: Hydropower is the leading source of renewable energy worldwide.

10. False

Feedback: Hydropower accounts for only about 7% of our electricity, and is used mostly in the Pacific Northwest where rivers are suitable.

11. True

Feedback: Even though the U.S. gets only about 7% of its electricity from hydropower, we have used almost all of our potential for hydropower.

12. True

Feedback: Hydroelectric reservoirs can also be used for boating and irrigation.

13. True

Feedback: Dams disrupt the natural flow of rivers and can harm wildlife.

14. False

Feedback: Dam failure is rare but can be very deadly.

15. True

Feedback: Fish ladders at hydroelectric plants give migrating fish a safe route around a dam.