



## Hydropower Science & Safety

### Pre/Post Test

Directions: Circle the one best answer for each question.

- Which of the following is NOT part of the water cycle?
  - evaporation
  - condensation
  - dissipation
  - percolation
- Hydropower is a form of “green energy” in which flowing water turns the blades of a \_\_\_\_\_ to generate electricity.
  - turbine
  - fan
  - solar panel
  - razor
- A \_\_\_\_\_ is used to raise the water level of a river and create a reservoir.
  - powerhouse
  - moving magnet
  - waterway
  - hydropower dam
- Which of the following should you do to stay safe when boating or engaging in other water sports?
  - obey all warning signs
  - make sure an adult can see you
  - wear a U.S. Coast Guard-approved life jacket
  - all of the above
- You should never play on, near or in a \_\_\_\_\_ or \_\_\_\_\_ because they have cold, fast-moving water and steep, slippery sides that make it difficult to get out.
  - river, stream
  - swimming pool, lake
  - canal, flume
  - reservoir, pond
- Which of the following could alert you to the danger of rising water levels?
  - warmer than expected water temperatures
  - the water changes from clear to muddy
  - b and d
  - increasing sounds of rushing water
- If you see someone in a water-related emergency, you should
  - call loudly for help
  - ask them if the water is really cold
  - dive in and try to help them
  - none of the above
- Which of the following is safe to do if your neighborhood floods?
  - ignore evacuation warnings
  - move to a safer place at a higher elevation
  - use electrical devices when you are wet
  - play in a flooded basement
- If a storm knocks down a power line, what should you do?
  - stay at least 50 feet away from the line
  - report it to 911 and PG&E
  - warn bystanders to stay far away
  - all of the above
- After falling to the ground as precipitation, runoff flows along the ground and can collect
  - drought
  - pollutants
  - percolation
  - dead zones

# Hydropower Science & Safety

## Pre/Post Test Answer Key

Information that relates to each question can be found on the pages listed below.

1. c) dissipation. Page 3
2. a) turbine. Pages 4
3. d) hydropower dam. Page 4
4. d) all of the above. Page 6
5. c) canal, flume. Page 7
6. d) b and d. Page 8
7. a) call loudly for help. Page 9
8. b) move to a safer place at a higher elevation. Pages 10 and 11
9. d) all of the above. Page 11
10. b) pollutants. Page 14