

Assessments for ASEEN Hydropower Energy Curriculum

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Name: _____ Date: _____ Grade: _____

1) Answer: _____

Which country produces more than 99% of its electricity from hydropower (2015)?

- A. New Zealand
- B. France
- C. Sweden
- D. Norway

2) Answer: _____

What is the type of energy stored in water in a reservoir (dam)?

- A. Kinetic energy
- B. Chemical energy
- C. Rotational energy
- D. Potential energy

3) Answer: _____

Hydroelectric technology has no impact on the environment?

- A. True
- B. False

4) Answer: _____

As of 2015, U.S. Hydropower can produce electricity for approximately how many homes?

- A. 25 to 50 million homes
- B. 50 to 75 million homes
- C. 75 to 100 million homes
- D. 100 to 125 million homes

5) Answer: _____

As of 2015, how many Hydroelectric facilities are there approximately in the U.S.?

- A. 320
- B. 510
- C. 1,750
- D. 2,100

6) Answer: _____

Most dams in the U.S. were built to generate electricity using a generator.

- A. True
- B. False

7) Answer: _____

As of 2015, the Hydropower Plant at the Grand Coulee Dam in the State of Washington is the ____ largest in the world.

Enter a number between 1 and 10.

8) Answer: _____

As of 2015, hydropower has been the leading renewable energy in the U.S. for many years.

- A. True
- B. False

9) Answer: _____

At which of the following dams was the first U.S. Hydroelectric Power Plant built?

- A. Hoover Dam
- B. Bonneville Dam
- C. Applebee Dam
- D. Appleton Dam

10) Answer: _____

As of 2014, which of these two are the fastest growing renewable energy sources?

- A. Hydropower and Solar
- B. Hydropower and Wind
- C. Wind and Solar
- D. Solar and Biofuels

11) Answer: _____

Which country has the largest megawatt hydroelectric power plant?

- A. China
- B. Norway
- C. Canada
- D. United States

12) Answer: _____

As of 2015, which country generates the most electricity from hydropower?

- A. Brazil
- B. Canada
- C. United States
- D. Former USSR

13) Answer: _____

Which of the following technologies produces electricity the cheapest?

- A. Fossil-fueled steam
- B. Nuclear
- C. Hydroelectric
- D. Gas turbine

14) Answer: _____

A significant amount of electricity generated from Hydropower originates from which part of the U.S.?

- A. North East
- B. South East
- C. North West
- D. South West

15) Answer: _____

Water was first exploited to perform work:

- A. By old civilizations
- B. In the 1700's
- C. In the 1800's
- D. In the 1900's

16) Answer: _____

What is the primary advantage gained from using a Pumped Storage Hydroelectric System?

- A. Less complex design
- B. Generates electricity instantly
- C. Allows reliable electricity generation at Peak Demand
- D. Cheapest design

17) Answer: _____

Most existing Hydroelectric generators were built:

- A. Before the 80's
- B. In the 90's
- C. In the 21st century
- D. Homogeneous growth since the beginnings of the Hydropower industry

18) Answer: _____

Even at a specific geographic region, the availability of Hydropower fluctuates?

- A. True
- B. False

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