Quiz #2 Answer Key

1. We can use hydropower to obtain power from water.

2. What turns in the water of a hydroelectric dam? A turbine is used to turn the water.

3. Why should we use hydropower over fossil fuel? Hydropower is renewable and doesn’t damage the ozone layer from it’s emissions.

4. Why is hydropower renewable? It is renewable because there is a large amount of water on Earth.

5. What does renewable mean? Renewable means it can be used multiple times without running out.

6. The terminator devices captures or reflects the power of waves.

7. Waves causes the captured water to move up and down and forces air through an opening to a turbine to generate power.

8. What are attenuators? Attenuators are long floating structures that go along with the direction of waves.

9. Hydraulic pumps or other converters generate power with wave movements.

10. What are point absorbers? They are floating structures that move relative to wave action.

11. What is needed in energy conversion for point absorbers? The rise and fall of waves in height at a single point.

12. Up and down motion caused by passing waves is used to drive electromechanical or hydraulic energy to generate power.

13. What are overtopping devices? They are like reservoirs and cause buildup of water like dams.

14. What happens to the water in overtopping devices when it is released? It goes back to the ocean.

15. The energy of falling water is used to turn hydro turbines to generate power.