Name: _____________________________

Hydroelectric Energy Exploration Sheet

Complete each item as you read about hydroelectric energy.

1. Hydropower is energy that comes from the force of ________________________________

2. What does the word “hydro” mean? ____________________

3. Where are most hydroelectric plants built? ____________________

4. What is a reservoir?

5. The water that is piled up behind the dam is stored as ________________ energy

6. When water spins a turbine it gains ________________ energy.

7. The turbine is connected to a ________________ that makes ________________ as it spins.

8. How does electricity travel from a hydroelectric dam to a home?

9. What determines how fast water can spin a turbine?

10. Describe how a reservoir functions like a battery. In your description, write how energy is stored, how energy is charged, and how energy is released.

11. Name two other uses of dams besides generating electricity.
   i. ________________________________
   ii. ________________________________