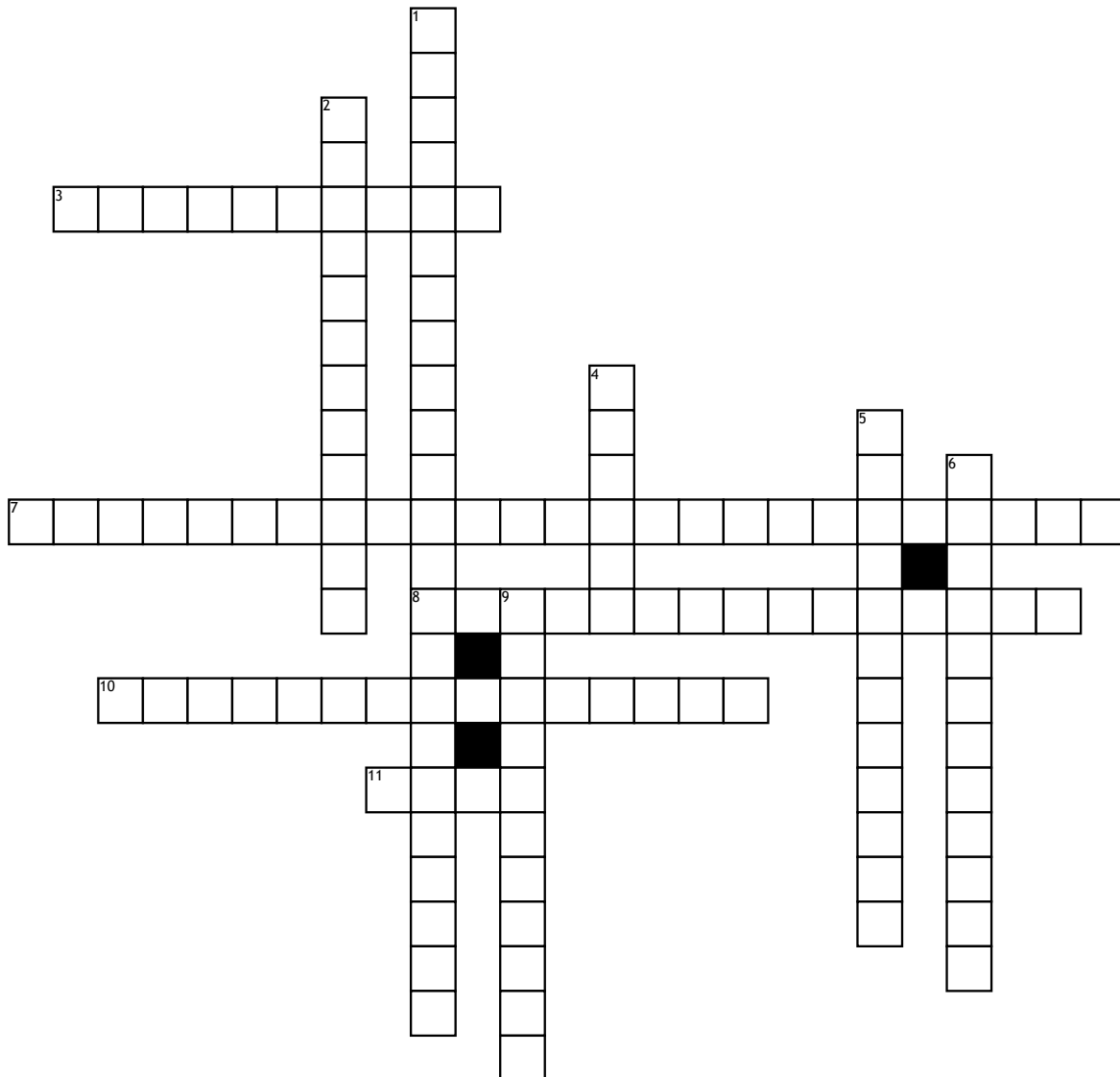


Name: _____

Date: _____

The Flow of Energy-Heat and Work (17.1)



Across

3. Which process releases heat to its surroundings?
7. Which law states that in any chemical or physical process, energy is neither created nor destroyed?
8. What is the study of energy changes that occur during chemical reactions and changes in state?
10. In what 2 units are heat measured?
11. What is energy that transfers from one object to another because of a temperature difference between them?

Down

1. What is the energy stored in the chemical bonds of a substance?
2. What includes everything else in the universe?
4. What is the part of the universe on which you focus your attention?
5. What is the amount of heat it takes to raise the temperature of 1g of the substance 1 degree celsius?
6. What is the amount of heat needed to increase the temperature of an object exactly 1 degree Celsius?
9. Which process is one that absorbs heat from the surroundings?