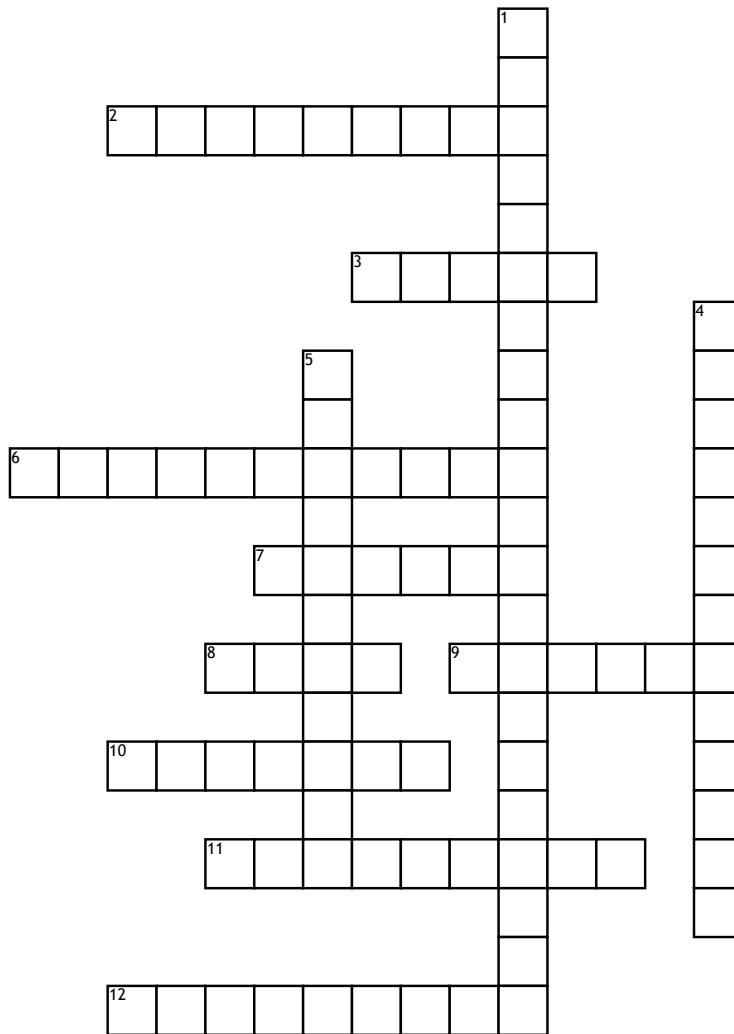


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Heat and Energy Transfers



## Across

2. how thermal energy transfers as electromagnetic waves  
3. state of matter that has tightly packed particles that vibrate  
6. measures the average kinetic energy of particles  
7. objects are more dense

8. the transfer of energy from a warmer object to a colder one

9. the amount of space an object takes up

10. the comparison of how much matter there is in a certain amount of space

11. a material that transfers heat well

12. a material that does not transfer heat well

## Down

1. theory that states all particles that make up matter are constantly in motion

4. measures the total kinetic energy of particles

5. adding heat to a liquid causes

## Word Bank

density  
heat  
colder  
solid

radiation  
temperature  
evaporation  
conductor

kinetictheoryofmatter  
insulator  
thermalenergy  
volume