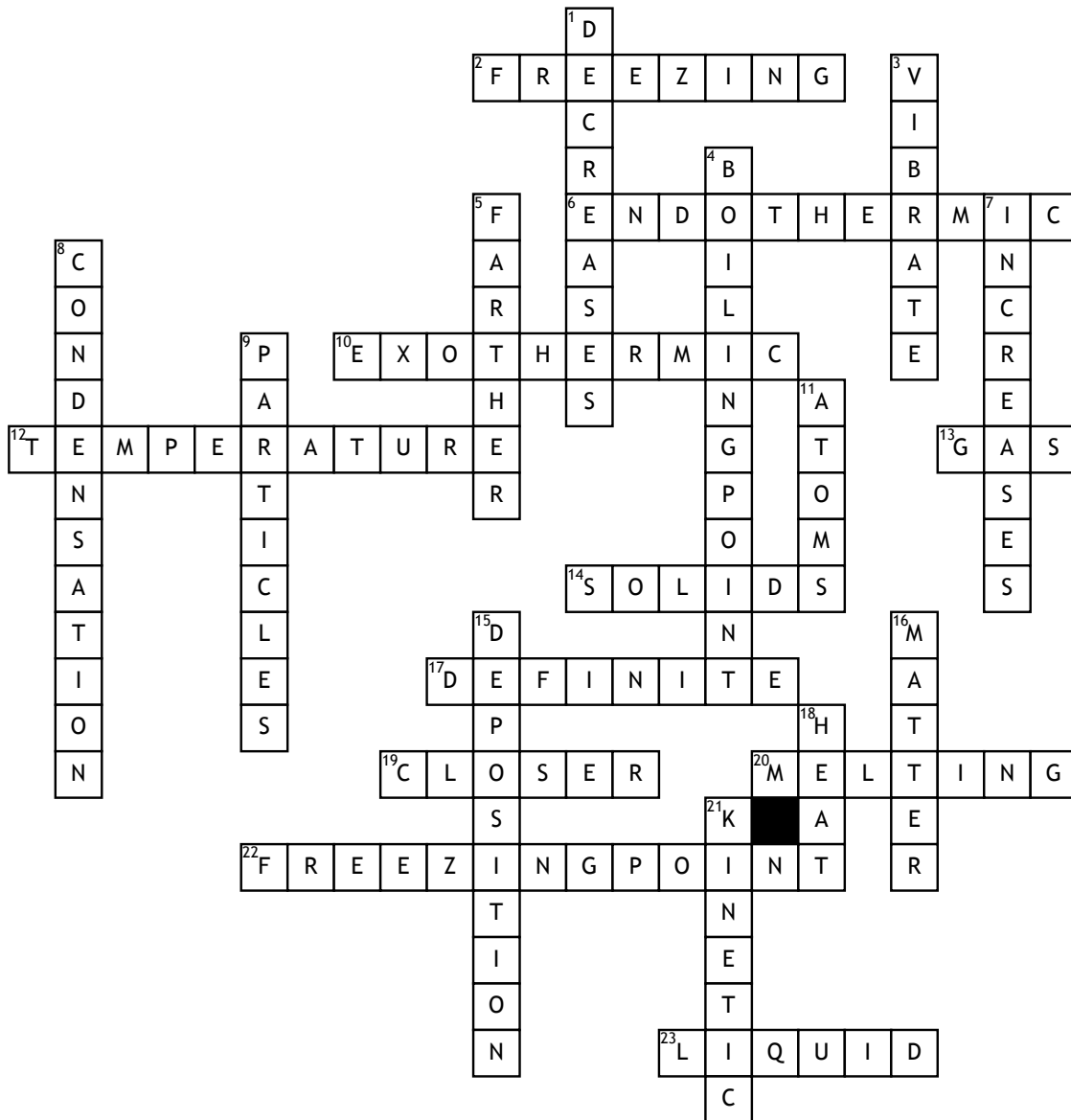


Kinetic Molecular Theory



Across

2. phase change from liquid to solid
6. when a system is gaining heat
10. when heat is leaving a system
12. ____: the average energy of the atoms of a substance
13. Phase that takes shape of the container & takes up maximum space given
14. a state of matter on which the object has a definite shape and volume. particles are tightly packed together. very low energy; particles vibrate.
17. Solids have a ____ shape

19. As temperatures decrease particles move ____ together
 20. phase change from solid to liquid
 22. the temperature at which liquids change to solids
 23. This phase has a definite volume but not shape
- Down**
1. As temperature decreases, kinetic energy of atoms ____
 3. motion of atoms in a solid
 4. The temperature at which liquid changes to gas
 5. As temperatures Increase particles move ____ apart

7. As temperature increases, kinetic energy of atoms ____
8. phase change from gas to liquid
9. another word for atoms
11. ____move freely and quickly in gases
15. Phase change from Gas to Solid
16. everything in the universe is made up of
18. ____: The internal energy of a substance. Can be transferred from one substance to another
21. ____ energy is the energy from motion