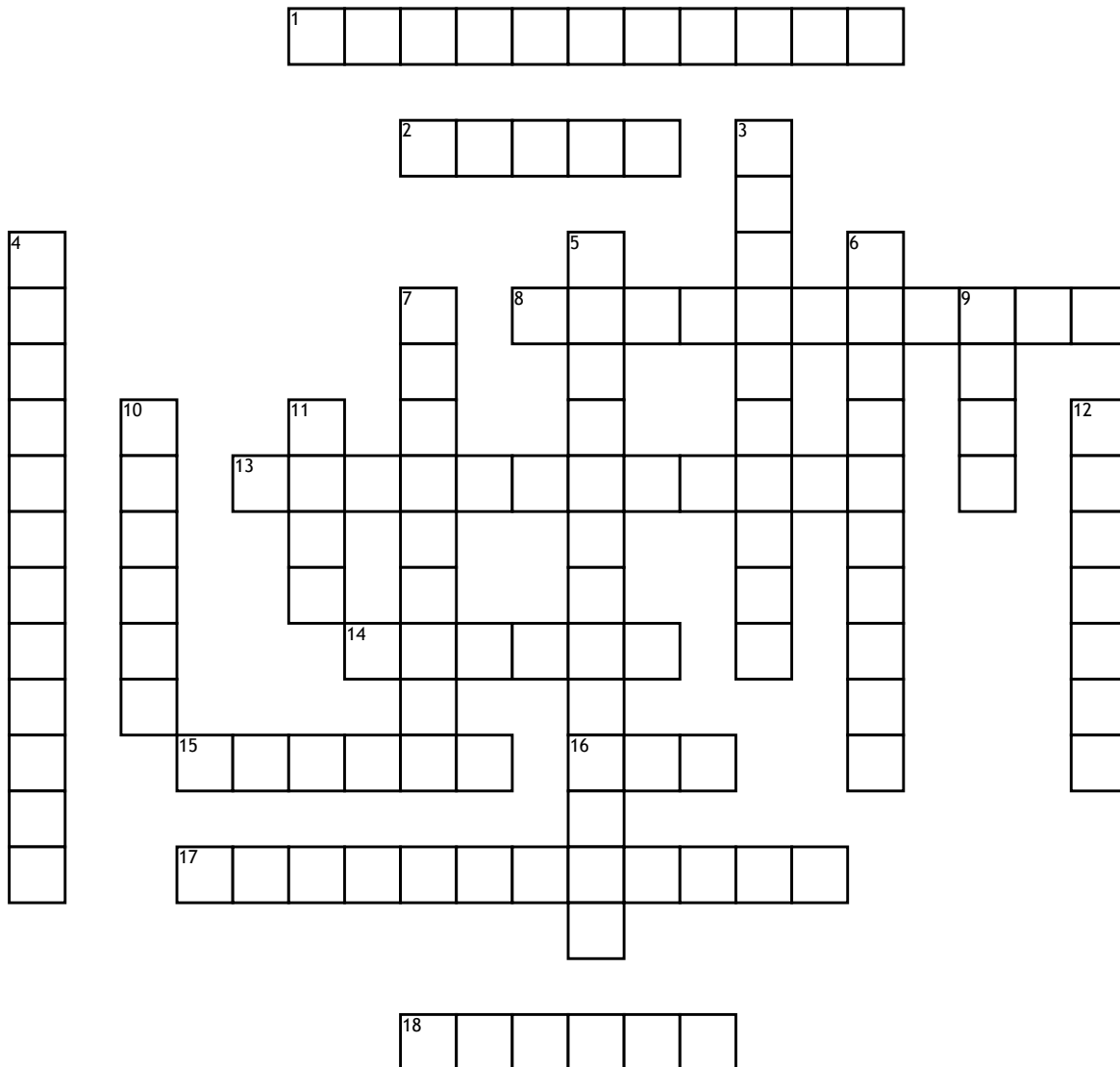


Energy Review



Across

1. the measure of the average kinetic energy of particles in a substance
2. physical state with very low thermal energy
8. Process in which energy is absorbed by a substance
13. Graph showing the temperature of a substance vs. time of heat input
14. physical state with medium thermal energy
15. unit for energy

16. physical state with the highest phase energy

17. change in state from a liquid to a gas (not boiling; begins with "v")

18. K

Down

3. process in which energy is released by a substance

4. the amount of energy required to raise 1 g of a substance by 1 oC

5. illustration of energy change includes direction of energy, E_{th} & E_{ph}

6. Q

7. Calculate the energy in joules of a 2.5 g substance whose temperature increases by 30 oC, and has a specific heat of 0.6 J/g oC/

9. m (grams)

10. final temperature minus initial temperature

11. The flow of energy from high to low

12. change in state from a solid to a liquid