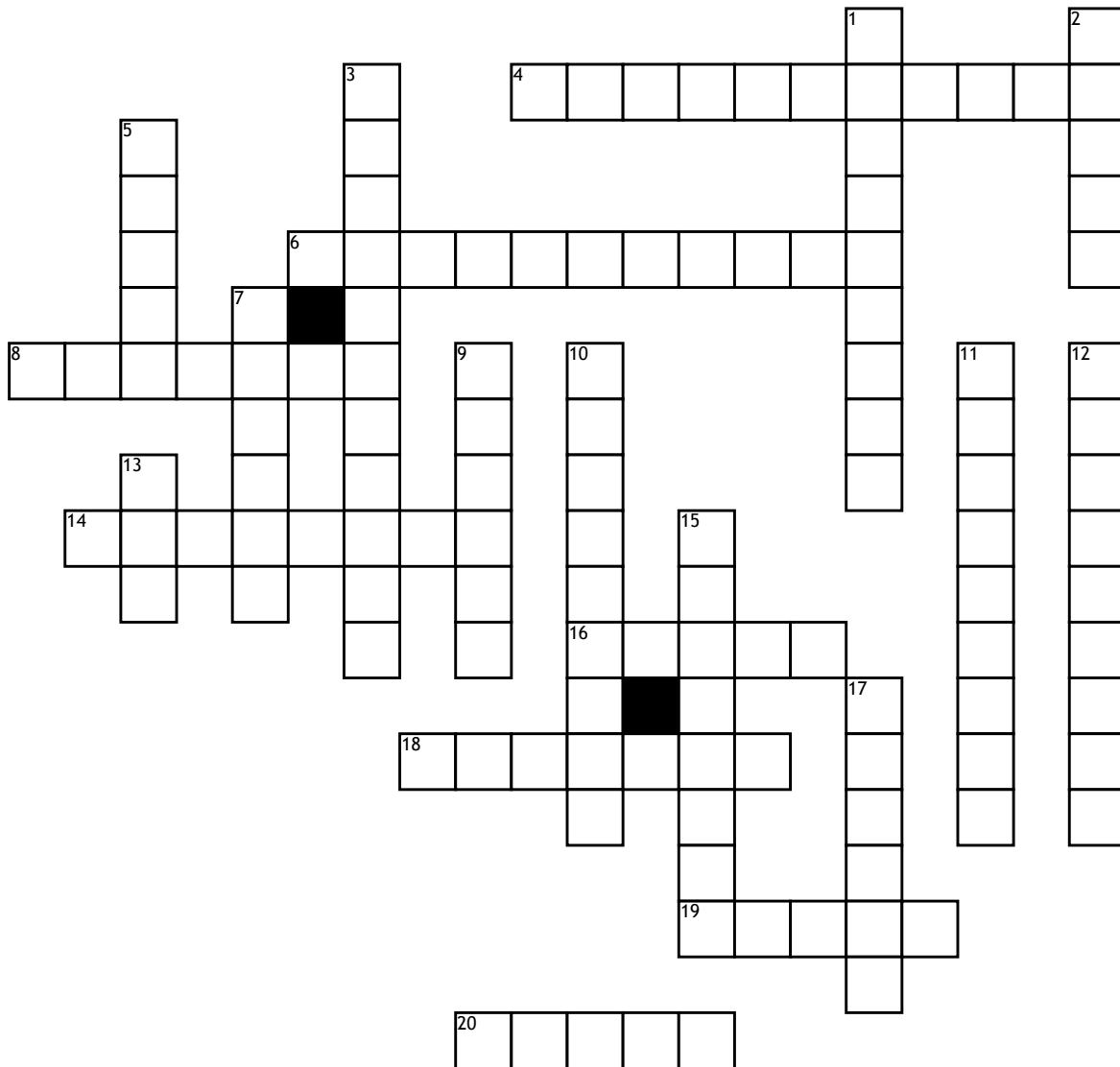


# Transport In Cells



**Across**

- 4. Another factor which affects diffusion and refers to the total area on the outside of a surface
- 6. A factor which effects diffusion as the particles will gain kinetic energy
- 8. Osmosis is an example of ..... transport
- 14. .... cells use osmosis to take up water into plants
- 16. .... organisms have a higher surface area to volume ratio
- 18. The diffusion of water through a semi-permeable membrane

19. there are ..... main forms of transport in cells

20. .... organisms have a lower surface area to volume ratio

**Down**

- 1. diffusion takes place through a partially ..... membrane
- 2. osmosis only transports .....
- 3. an ..... variable is varied in an experiment
- 5. Both active and passive transport takes place in .....
- 7. a ..... solution contains a high concentration of water molecules
- 9. Active transport requires .....

10. The movement of particles from an area of low concentration to an area of high concentration

11. .... are transported in cells

12. .... variables are kept the same in experiments

13. active transport is the movement of particles from a region of ..... concentration to a region of high concentration

15. Active transport works against a concentration .....

17. the higher the temperature the ..... the rate of reaction