

Y7 Spring Assessment Knowledge Questions 24-25

1. In which state of matter are the particles moving fastest (most kinetic energy): solid / liquid / gas?
 - a. Gas
2. When a substance condenses, what state change is it moving from **and** to?
 - a. gas to liquid.
3. Which state of matter **can be** compressed?
 - a. gas
4. Where is all of the information stored in a cell?
 - a. Nucleus
5. What is the site of respiration in the cell?
 - a. Mitochondria
6. What controls the substances that can enter/exit the cell?
 - a. Cell membrane
7. What is the site of photosynthesis in a plant cell?
 - a. Chloroplast
8. What three organelles does a plant cell have that an animal cell doesn't?
 - a. cell wall, chloroplast, permanent vacuole
9. What is the name of the pigment in the chloroplast?
 - a. Chlorophyll
10. Q. Name the four chambers of the heart.
 - a. Right atrium, left atrium, right ventricle, left ventricle
11. Q. Name the three main types of blood vessel
 - a. Arteries, veins, capillaries
12. Q: What do red blood cells do?

A: Transport oxygen around the body
13. Q. Where do chemical reactions take place within a cell?

A: Cytoplasm

14. Q. What is the movement of particles from a region of high concentration to low concentration known as?

A. Diffusion

15. Q. What happens to particles in a gas when the temperature decreases?

A. Particles slow down and move closer together

16. Q. What happens to the particles of a substance when it is heated and changes from a solid to a liquid?

A. Particles gain energy and move more freely

17. Q. What is the largest organ in the human body and serves as a protective barrier?

A. Skin

18. Q. What is the role of the skeletal system?

A. Provide support and protection for the body

19. Q. What is the term for a group of similar cells working together to perform a specific function?

A. Tissue

20. Q. What is the basic unit of structure and function in living organisms?

A. Cell