

Physical Science

Chapter 6 Reading Quiz

Name: _____

1. Something is hot when its _____ is high.
2. The _____ of an object is a measure of the average kinetic energy.
3. The _____ of a substance is the sum of the kinetic and potential energy of its molecules.
4. _____ always flows from something at a higher temperature to something at a lower temperature.
5. What do you call the heat needed to raise the temperature of a 1kg object by 1°C?

6. What is the specific heat of water? Don't forget the units! _____
7. The temperature change in coastal areas tends to be less _____ than they are further inland.
8. A _____ is used to measure specific heat.
9. _____ energy is transferred by the collisions between particles, not by movement of matter.
10. _____ energy is transferred when particles collide with neighboring particles.
11. Liquids and gases can flow and are classified as _____.
12. When _____ occurs more energetic particles move from one place to another.
13. As particles move _____ they tend to be further apart.
14. A fluid _____ as its temperature increases.
15. The _____ zone forms a belt that encircles the globe on either side of the equator.
16. When you stand near a fire and warm your hands, much of the warmth you feel has been transferred from the fire to your hands by _____.
17. The Antarctic _____ grows a coat that can be as much as 10 cm thick.
18. The tiny pockets of air in fleece make it a good _____.
19. Thermal energy, heat, and work are related, and study of the relationship is called _____.
20. According to the law of _____ of _____ the increase in thermal energy of a cool object is equal to the decrease in thermal energy of the warm object.
21. Because _____ use heat from warm ocean water to produce strong winds, they are sometimes called nature's heat engines.
22. How efficient is an internal combustion engine? _____
23. A _____ is a special substance that evaporates at low temperatures.
24. A _____ is a two way heat mover.
25. Your body uses _____ to keep its internal temperature constant.