

- _____ 15. The transfer of heat that occurs through one object's contact with another is called _____.
- A. conduction B. convection C. radiation
- _____ 16. _____ is the energy that is transferred in waves and become thermal energy.
- A. Convection B. Radiation C. Conduction
- _____ 17. The transfer of heat energy as matter moves is called _____.
- A. radiation B. convection C. conduction
- _____ 18. The _____ is the most important source of light energy on Earth.
- A. lamp B. fire C. sun
- _____ 19. A change that produces a completely different kind of matter in which the particles form a new substance with different properties is called _____.
- A. chemical change B. physical change C. matter
- _____ 20. A change in size, shape, or state of matter that does not change the matter's particles is called _____.
- A. chemical change B. physical change C. matter

II. Complete the sentences with the words from the box.

Radiation	Compressions	Convection	Conduction	Sound waves
pitch	vibrations	eardrums	volume	matter

1. Sound is the form of energy made by _____.
2. Vibrations create sound waves that move through _____.
3. We hear sounds when sound waves make our _____ vibrate.
4. _____ are areas where particles bunch together.
5. _____ move faster through most liquids and solids.
6. If you change the amplitude, or height, of a soundwave, you change its _____.
7. If you change the frequency of wavelength of a sound wave, you change its _____.
8. _____ moves the cooler air downward.
9. _____ from the sun warms the ground in the greenhouse.
10. _____ heats the air directly above the soil.

III. Look at the pictures. How does matter change?

Write **PC** for physical change or **CC** for chemical change.

