COMMENTS: Conduction is the transfer of heat from molecules to adjoining molecules by collision. Solids are better conductors of heat than liquids; liquids are better than gases. Molecules of most solids are closer together than those of liquids, and the molecules of liquids are much closer together than those of gases. Any material through which heat is easily conducted is called a conductor. This is one reason metals are used in making cooking utensils. Other materials such as cloth and wood are nonconductors.

A Underline the correct answers.

Heat can be (a. transferred b. controlled).

2. Molecules make up (a. solids b. liquids c. gases).

3. Molecules are held together by (a. cohesion b. magnets).

4. Solids are better conductors of (a. heat b. air c. gases) than liquids.

5. Liquids have better (a. attraction b. conduction) than gases.

6. Some materials are better (a. conductors b. sources of energy) than others.

7. Iron is a good (a. conductor b. energy waster c. nonconductor).

8. Gases make (a. poor conductors b. good conductors c. strong attractions).

9. Metal is a good conductor of (a. heat b. electricity).

<b>B</b> True or False		
T 1. Conduction v	works because molecules collide.	
2 Paper makes	a good heat conductor.	
3. Cooking uter	nsils are made of metal because me	etal is a good conductor.
4. Wood is a no	nconductor.	
5. Liquids cann	ot conduct any heat at all.	
6. Cloth is a not	nconductor.	
7. Heat is a form	n of energy.	
8. Friction cann	not cause heat.	
0 Wood is very	combustive	

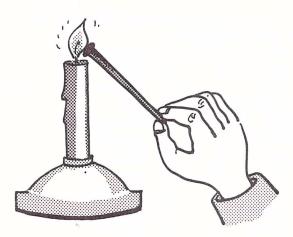
## Conduction

## Place an X by each word that could tell about conduction.

U	about conduction	on.	
1.	molecules X	15.	combustion
2.	attraction	16.	hear
3.	listen	17.	together
4.	material	18.	look
5.	see	19.	conductor
6.	solids	20.	gases
7.	watch	21.	liquids
8.	heat	22.	time
9.	hours	23.	transfer
10.	metals	24.	seconds
1.	ticking	25.	water
12.	cooking	26.	wall
13.	carpet	27.	collision

14. hot

28. cotton



Hold a large nail with its head in a small flame. What happens to the temperature of the nail?