

ACHIEVEMENT		COMMENT
<input type="checkbox"/> Excellent	<input type="checkbox"/> Fair	
<input type="checkbox"/> Good	<input type="checkbox"/> Need improvement	

A. SUMMARY

Heat can be transferred from one object to another. This type of transfer is called **conduction**.

Substances and materials that conduct heat well are called **thermal conductors**.

Metals are good conductors of heat. Silver is the best conductor of heat.

Non-metals, such as wood and plastic, are not good conductors of heat.

Some materials and substances are able to conduct electricity. They are called **electrical conductors**.

Metals are substances that conduct electricity.

B. EXERCISES

I. Write thermal conductor or thermal insulator below the following picture

		
A Wooden spoon	A metal pan	Oven gloves
_____	_____	_____
		
The handle of a pan	A wool hat	A pot
_____	_____	_____

II. Circle the correct answer

1. Which of the following is a good conductor of both heat and electricity?
 - a. Plastic
 - b. Copper
 - c. Wood
 - d. Rubber

2. Why are electrical wires often made from metals like aluminium or copper?
 - a. They are lightweight and non-conductive.
 - b. They are good conductors of electricity.
 - c. They insulate electricity well.
 - d. They are flexible and heat-resistant.

3. Which material is a poor conductor of heat and is often used as an insulator?
 - a. Glass
 - b. Silver
 - c. Plastic
 - d. Iron

III. Answer the following questions

1. Why does food cook faster in the oven in a metal dish than in a glass dish?

2. If you used a dish made of a different metal, would the cooking time change? Explain why.
