

Science Blog Worksheet – Year 4

Topic: **Transfer of Heat**

Q1. Choose the correct answer.

i) In vacuum, through which of process we can transfer thermal energy?

- A) Conduction
- B) Convection
- C) Radiation
- D) Conduction and convection

ii) Electric kettle is a good example of

- A) Conduction
- B) Convection
- C) Radiation
- D) Conduction and radiation both

iii) With increase in temperature heat will be

- A) Increased
- B) Constant
- C) Decreased
- D) Doubled

iv) Which of the following are the processes of transfer of heat

- A) Conduction
- B) Convection
- C) Radiation
- D) All of the above

v) The process of transfer of heat in solids is called as:

- A) Conduction
- B) Convection
- C) Radiation
- D) None of the above

vi) The temperature at which liquid changes into vapour is called as

- A) Melting point
- B) Boiling point
- C) Freezing point
- D) None of the above

vii) The process of transfer of heat in liquid and gases is called as

- A) Radiation
- B) Convection
- C) Absorption
- D) Expansion

viii) Clothes of _____ colors absorb heat better than clothes of _____ colors.

- A) Light, Dark
- B) Dark, Light
- C) Soft, Dark
- D) None of the above

Q2. Hasan was doing an investigation to see which covering is best to stop hot water from getting cold.

a. Arrange the material from the coldest to hottest.

Plastic	Paper	Tissue	Foam rubber
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b. Define the term Insulation.

Answer Key

Q1. Choose the correct answer

i) C

ii) A

iii) A

iv) D

v) D

vi) B

vii) B

viii) B

Q2.

a) Foam Rubber Paper Tissue Plastic

b) The method of stopping heat flow is called Insulation