

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Heat

Q1. Is it possible to construct buildings that are not affected much by heat and cold outside?

Ans. \_\_\_\_\_  
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\_\_\_\_\_

Q2. What do you mean by maximum-minimum thermometer?

Ans. \_\_\_\_\_  
\_\_\_\_\_  
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\_\_\_\_\_

Q3. Why clinical thermometers range from 35°C to 42°C?

Ans. \_\_\_\_\_  
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\_\_\_\_\_  
\_\_\_\_\_

Q4. Discuss why wearing more layers of clothing during winter keeps us warmer than wearing just one thick piece of clothing.

Ans. \_\_\_\_\_  
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\_\_\_\_\_

## Heat

Q1. Is it possible to construct buildings that are not affected much by heat and cold outside?

Ans. This can be done by constructing outer walls of buildings so that they have trapped layers of air. One way of doing this is to use hollow bricks, which are available these days.

Q2. What do you mean by maximum-minimum thermometer?

Ans. Different types of thermometers are used for different purposes. The maximum and minimum temperatures of the previous day, reported in weather reports, are measured by a thermometer called the maximum - minimum thermometer.

Q3. Why clinical thermometers range from 35°C to 42°C?

Ans. The clinical thermometer is designed to measure the temperature of human body only. The temperature of human body normally does not go below 35°C or above 42°C. That is the reason that this thermometer has the range 35°C to 42°C.

Q4. Discuss why wearing more layers of clothing during winter keeps us warmer than wearing just one thick piece of clothing.

Ans. Wearing more layers of clothing during winter keeps us warmer than wearing just one thick piece of clothing because air get trapped in between the layers of clothing and being a bad conductor of heat, prevents the flow of heat from our body to the cold surroundings.