

Name: _____ Date: _____

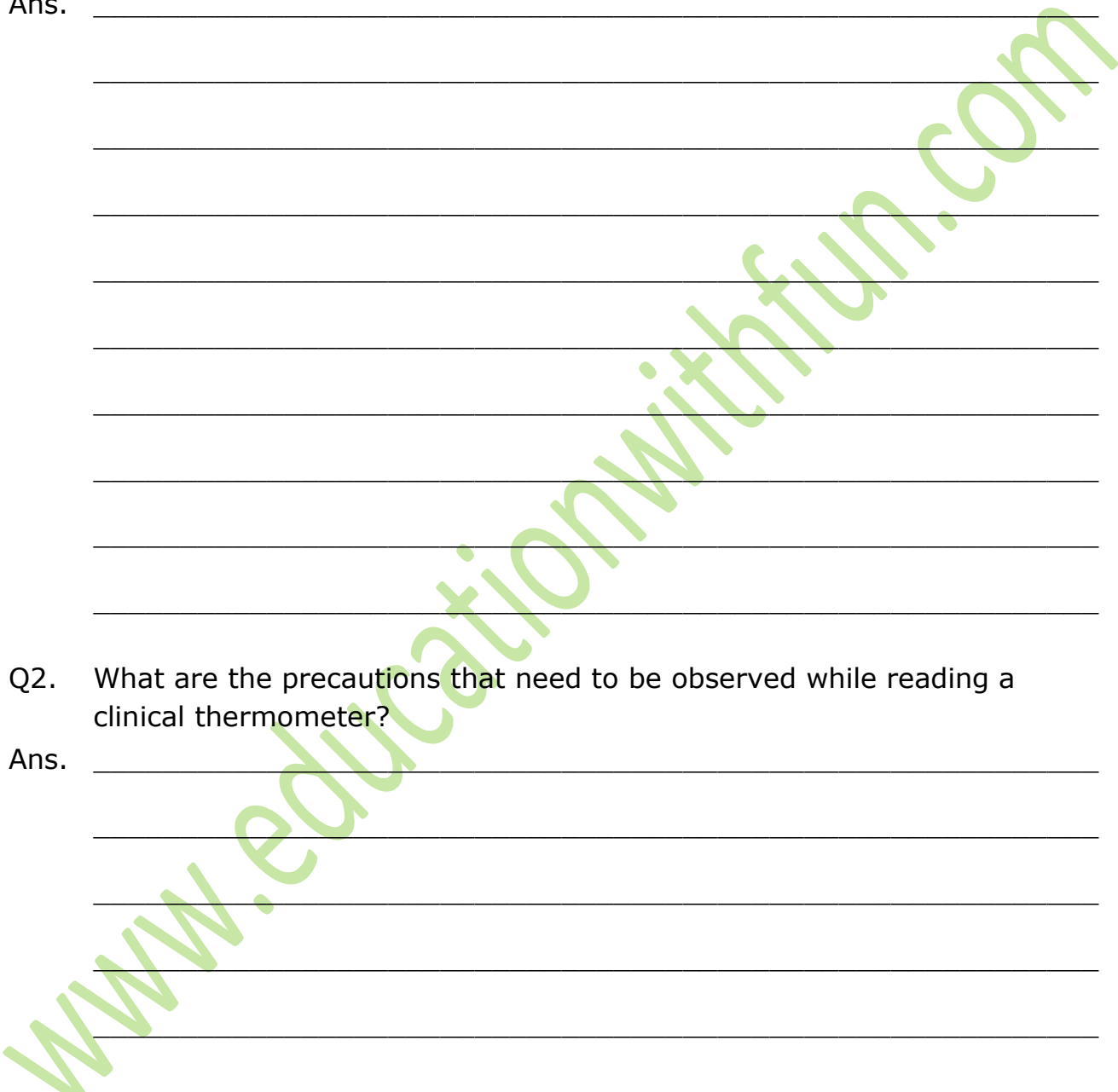
Heat

Q1. State the similarities and differences between the laboratory thermometer and the clinical thermometer.

Ans.

Q2. What are the precautions that need to be observed while reading a clinical thermometer?

Ans.



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Q1. State the similarities and differences between the laboratory thermometer and the clinical thermometer.

Ans. Similarities

- i. Both thermometers consist of a long, narrow, uniform glass tube.
- ii. Both have a bulb at one end. This bulb contains mercury.
- iii. Both have celsius scale.

Differences

- i. A clinical thermometer reads temperature from 35°C to 42°C whereas the range of a laboratory thermometer is generally from -10°C to 110°C .
- ii. A clinical thermometer has a kink in it whereas there is no kink in laboratory thermometer.

Q2. What are the precautions that need to be observed while reading a clinical thermometer?

Ans. Precautions to be observed while reading a clinical thermometer

- i. Thermometer should be washed before and after use, preferably with an antiseptic solution.
- ii. Ensure that before use the mercury level is below 35°C .
- iii. Read the thermometer keeping the level of mercury along the line of sight.
- iv. Handle the thermometer with care. If it hits against some hard object, it can break.
- v. Don't hold the thermometer by the bulb while reading it.