**Chapter 4 Fill-in-the-Blank Summary Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Section 4.1: Describing Temperature (Pages 110-119)**

1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (the temperature where most people are comfortable) is somewhere between \_\_\_\_\_\_\_℃ and \_\_\_\_\_\_\_℃.

2) Your \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is an important indicator of your health. It is normally \_\_\_\_\_\_\_\_\_\_℃.

3) The condition when the body temperature drops a few degrees below normal is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. The heart begins to slow down and the body organs do not function correctly.

**Section 4.2: Measuring Temperature (Pages 120-133)**

1) The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ was invented before thermometers. It is a glass bulb with a very long, narrow tube and a container filled with coloured liquid. It shows whether the air is hot or cold but does not show temperatures in numbers.

2) A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a device that measures temperature.

3) The first widely used temperature scale was the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ scale. Only a few countries still use this scale.

4) The most common used temperature scale is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ scale. Freezing point of water is \_\_\_\_\_\_\_\_\_\_\_\_\_℃ and the boiling point of water is \_\_\_\_\_\_\_\_\_\_℃.

5) The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ scale uses 0 K to mark absolute zero (the coldest any object or substance can become).

6) To \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ an instrument means to accurately assign the numbers on a scale.

7) A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is made of two different metals such as copper and iron that expand by different amounts when heated. It is used in thermostats that turn a furnace on and off to measure the temperature.

8) A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ has two wires made of different metals that are connected at both ends. A temperature difference between the two ends cause a small electric current to flow through the wires.

9) A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is an image generated by a device that converts infrared radiation into colours that can be interpreted as temperature differences.