2

Snowflakes have amazing shapes. No two are exactly the same. All snowflakes are usually flat and six-sided. They form when ice grows on a tiny piece of dust. The shape of snowflakes is determined by the temperature. The snowflake falls in the air and passes through different temperatures. This freezes the water into unique shapes. The biggest snowflake was over 28 cm across.

Which of the following best expresses the essential information in the highlighted sentence?

A. The shape of snowflakes helps predict the temperature.
B. The temperature determines the size of snowflakes.
C. The shape of snowflakes depends on the temperature.
D. The temperature makes snowflakes.

3

Meteorologists need data from around the world. They use many means to collect this data. One is to use satellites. They have changed the study of weather forever. The satellites check the earth's surface. They look at water vapor and heat. They send back data on weather conditions. By using this data, meteorologists can predict the weather with more accuracy.

Which of the following best expresses the essential information in the highlighted sentence?

A. The accuracy of data is the most important factor in weather forecasts.
B. Scientists need more accuracy in predicting the weather.
C. Weather data enables scientists to forecast the weather more exactly.
D. Meteorologists cannot predict the weather accurately even with satellite data.

4

Cells are the basic structural unit in the human body. We have about 100 million of them. They are not all the same types, however. They develop to have specific functions, forming organs, muscles, nerves, skin, and bones. Each body part has a special cell type. However, one type of cell, a stem cell, can grow into any of the other cell types.