TIMSS 2019 - Restricted Use Items - Earth Science

Benchmark 3

Reasoning

Scientists have evidence of changes in Earth's climate over the last 650,000 years.

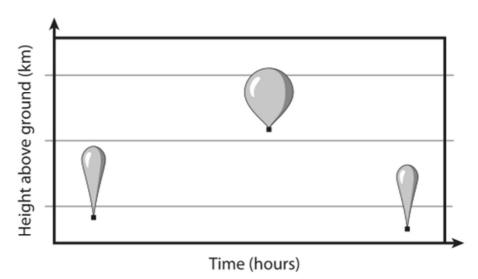
Which of the following statements would be evidence that the Earth is becoming warmer?

- (A) a decrease in the size of Earth's polar ice caps
- (B) a decrease in the average depth of Earth's oceans
- an increase in the number of volcanoes erupting
- (D) an increase in the number of sunspots.

Benchmark 4

Knowing

The diagram shows the height above the ground of a helium-filled weather balloon during a period of several hours.



What causes the balloon to become bigger as its height above the ground increases?

- A Gravity decreases.
- B Atmospheric pressure decreases.
- © The balloon is heated by the Sun.
- The balloon absorbs air.

