SCIENCE SCENARIO

MULTIPLE-CHOICE ITEMS

> **Directions:** Use the information presented on pages 24 and 25 to answer questions 19 through 22.

A.2.2.3

19. When the student's parent heard about the cloud project, the parent gave the student a barometer and explained that it can help the student make weather predictions. How can this instrument help the student make weather predictions?

   A   It measures pressure changes. *

   B   It measures temperature changes.

   C   It measures cloud precipitation.

   D   It measures wind speed.

A	*Key: Barometers are used to measure air pressure, and changes in air pressure generally indicate changes in the weather.*
B	*Temperature changes are measured using thermometers.*
C	*Precipitation is measured using rain gauges.*
D	*Wind speed is measured using an anemometer.*

A	B	C	D
47%	14%	20%	20%

D.2.1.3

20. According to the student's observations, on which days would precipitation **most likely** have occurred?

   A   Monday and Tuesday

   B   Monday and Thursday

   C   Wednesday and Thursday

   D   Wednesday and Friday *

A	*The clouds on Monday are cirrus clouds followed by light cumulus clouds on Tuesday. Neither of these is likely to cause precipitation.*
B	*Both Monday and Thursday are clear days with some cirrus clouds, so rain is not likely.*
C	*Slow rains seem likely for Wednesday, but the cirrus clouds on Thursday would not cause noticeable precipitation.*
D	*Key: Wednesday is likely to have slow rains, while Friday is likely to have thunderstorms.*

A	B	C	D
6%	11%	9%	74%