

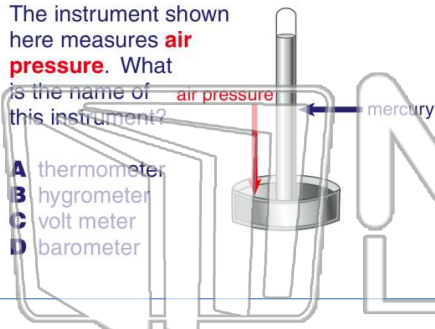


Name _____ Class _____ Date _____

1

The instrument shown here measures **air pressure**. What is the name of this instrument?

- A thermometer
- B hygrometer
- C volt meter
- D barometer



2

If an aluminum can containing a small amount of water is heated, then quickly cooled, it will suddenly **crush** with no apparent force. What **force** causes the can's **collapse**?

- A air pressure outside of the can
- B the metal particles melt
- C gravity increases
- D pressure in the can increases



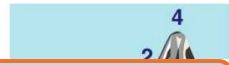
3

In the diagram below, where would a **barometer** show the largest pressure?



4

Using the diagram below, determine where a mountain climber would have the **lowest** pressure?



5

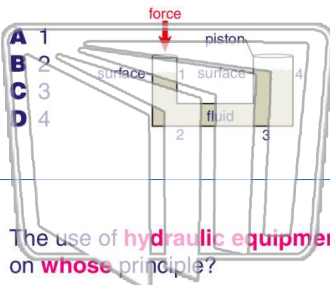


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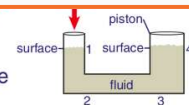
7

Where in the diagram is the **greatest force** being exerted?



- A 1
- B 2
- C 3
- D 4

at point 1 and point 4?



- A decrease the surface area at point 1
- B increase the surface area at point 4
- C make the tube from point 2 to point 3 longer
- D make point 1 and point 4 equal surface areas

9

The use of **hydraulic equipment** is based on **whose** principle?

- A Newton's
- B Bernoulli's
- C Pascal's
- D Einstein's

10

In order for a hydraulic cylinder to **work**, it must _____.

- A have air in it
- B be open on one end
- C be open on both ends
- D be sealed on both ends

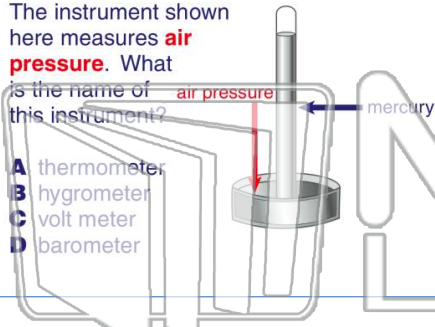


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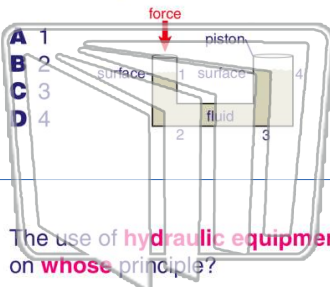


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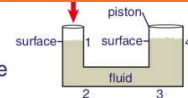
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