

Physical Science Warm Up 5/15/17

Clickers and Journals - Provide evidence or reasoning

<http://www.crackact.com/act/science/test458.html>



1 How much mass would a 22.4-L sample of oxygen gas have when measured at 1 atm and 0°C?

A 4.0 g

B 20.2 g

C 32.0 g

D 44.8 g

2 In the early 1800s, mass was measured with a double-pan balance. If a 11.2-L sample of neon is placed in one side of the balance, what volume of hydrogen would have to be placed on the other side to have an equal amount of mass?

A 224.0 L

B 112.0 L

C 22.4 L

D 11.2 L

- 3 Referring to Avogadro's law and Table 11.1, which of the following places the samples of gas in order from the least number of molecules to the most?
- A Sample 1, Sample 3, Sample 7
 - B Sample 7, Sample 3, Sample 1
 - C Samples 3 and 1 have an equal number of molecules, but Sample 7 has more.
 - D All the samples have an equal number of molecules.

