

### Physical Science Warm Up 5/10/17

Clickers and journals. Use the passage to answer the questions.  
Be able to reference supporting data or provide reasoning.

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



1 According to Table 11.1, which sample of gas took up the most space?

A Sample 1

B Sample 4

C Sample 6

D Sample 7

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2 Comparing Samples 1 and 3, one can state that:

- A Samples 1 and 3 are the same size and the same mass
- B Sample 1 is larger, but Sample 3 is more massive
- C Sample 3 is larger, but Sample 1 is more massive
- D Samples 1 and 3 are the same size, but Sample 3 is more massive

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- 3 Referring to Table 11.1, how does the number of gas molecules in Sample 4 compare to the number of gas molecules in Sample 5?
- A Sample 4 has more molecules
  - B Sample 5 has more molecules
  - C Samples 4 and 5 have the same number of molecules
  - D It is impossible to determine from the data given