

Answer on Question #44639 - Chemistry – Physical Chemistry

Which of these is the correct word equation for the reaction, $6\text{H}_2\text{O} (\text{l}) + 6\text{CO}_2 (\text{g}) \rightarrow 8\text{C}_6\text{H}_{12}\text{O}_2 (\text{s}) + 6\text{O}_2 (\text{g})$?

- a.... Carbon dioxide gas and liquid water react to form solid glucose and oxygen gas.
- b.... Glucose and oxygen gas react to form carbon dioxide gas and liquid water.
- c.... Carbon dioxide and water vapor react to form solid glucose and oxygen gas.
- d.... Carbon dioxide, water vapor, and glucose, react to form oxygen gas.

Answer:

- a.... Carbon dioxide gas and liquid water react to form solid glucose and oxygen gas.