1. What is the primary component of an exhaled breath? Only 5/23 people answered correctly!
   a. N₂      Even though exhaled breath is higher in CO₂ than inhaled air, the exhaled breath is still 75% N₂.
   b. O₂
   c. CO₂
   d. H₂O

2. The quantity 0.0000064 g expressed in scientific notation is 19/23
   a. 6.4 × 10⁶ g
   b. 6.4 × 10⁻⁶ g     You need to move the decimal place 6 places to the right in order to get to 6.4, which means multiplying by 10⁻⁶
   c. 6.4 × 10⁷ g
   d. 6.4 × 10⁻⁷ g

3. Which diagram(s) best characterize a mixture? 16/23
   a. I and III only     I contains 2 of the same kind of molecule, and is a compound. II contains 2 molecules of a diatomic element. But III and IV each contain two different kinds of molecules.
   b. III and IV only
   c. I, II and III only
   d. IV only

4. What are the products of the complete combustion of ethane? (Note that this question was not scored, as we had not yet finished covering combustion)
   a. carbon monoxide and oxygen
   b. carbon monoxide and hydrogen
   c. carbon dioxide and oxygen
   d. carbon dioxide and water

5. Which substance is an element? 21/23
   a. NO₂
   b. NaCl
   c. N₂     This is the only answer which contains only one kind of atom
   d. CH₄