

Name: _____

Instructions: For each of the questions below, give the appropriate answer. Use the correct number of significant figures wherever necessary. You will have 10 minutes to complete this quiz.

1. (4 points) A substance is 29.4% Calcium, 23.6% Sulfur, and the rest is Oxygen. What is the empirical formula, and the name of the compound?

2. (3 points) Fill in the missing information from the table below:

Name	Formula
Potassium perchlorate	
	PbO
Mercury(I)Nitride	
	P ₄ O ₁₀
Platinum (IV) phosphate	
	H ₂ SO ₃

3. (3 points) C₂H₃Cl₃O₂ has been used to make a 'Mickey Finn' which is something that you've likely never heard of. What is the number of chlorine atoms in 2.0x10⁻² moles of the substance?