Counting Atoms Worksheet

Name:	Grade:
the total num	Read each question carefully and solve by counting ber of atoms using your knowledge of chemical w your work if needed.
1. In H₂O , the	re are hydrogen atoms and oxygen atom.
2. In CO₂, then	re is carbon atom and oxygen atoms.
3. NaCl conta	ins sodium atom and chlorine atom.
4. In Mg(OH)₂	, there are magnesium atom(s), oxygen
atoms, and	hydrogen atoms.
5. CaCO₃ cont	tains calcium atom, carbon atom, and
oxygen ator	ns.
6. In C₆H₁₂O₆ ,	there are carbon atoms, hydrogen atoms,
and oxyg	gen atoms.
7. Al₂(SO₄)₃ ha	as aluminum atoms, sulfur atoms, and
oxygen ator	ns.
8. In Fe₂O₃ , th	ere are iron atoms and oxygen atoms.
9. Na₂SO₄ has	sodium atoms, sulfur atom, and oxyge
atoms.	
10. In KNO₃, th	ere is potassium atom, nitrogen atom, and
oxygen a	atoms.

Counting Atoms Worksheet

Answer Key

- 1. 2 hydrogen, 1 oxygen
- 2. 1 carbon, 2 oxygen
- 3. 1 sodium, 1 chlorine
- 4. 1 magnesium, 2 oxygen, 2 hydrogen
- 5. 1 calcium, 1 carbon, 3 oxygen
- 6. 6 carbon, 12 hydrogen, 6 oxygen
- 7. 2 aluminum, 3 sulfur, 12 oxygen
- 8. 2 iron, 3 oxygen
- 9. 2 sodium, 1 sulfur, 4 oxygen
- 10. 1 potassium, 1 nitrogen, 3 oxygen