How do atoms combine to make new substances?
p. 74 - glue in representing substances
p 76 - glue in analyzing substances

9.1 vocab - p 75

atom - the smallest particle of an element
bond - an attractive force acting between atoms
compound - a substance defined by a particle composed of 2 or more different kinds of atoms
crystal - a sample of a mineral or chemical whose atoms are arranged in a regular pattern, giving it a certain shape and other physical properties.
ionic compound - if the atoms in a particle of a compound are connected to each other with a weak network bonds
molecule - a particle made of 2 or more atoms that are held together with strong (covalent) bonds.
9.2 FQ - What happens at the particle level during a chemical reaction?
p 78 - glue in Thinking about limewater

index -
conservation of matter - 82
9.3 FQ - What is the chemical reaction between hydrochloric acid and sodium bicarbonate?

p 81 - glue in

Acid/Baking soda reaction products
p. 82 - glue in Response Sheet investigation 9

**conservation of matter** - when new substances formed in a reaction but no new atoms form. Matter is not created or destroyed.