Lesson 4 Part 2

MATTER
1. Take out HW to be checked.
2. Take CJs out, copy down info. Keep CJs out and open on your desk.
3. Copy and answer the following questions in a box on your DO NOW page:
   a. A substance that cannot be broken down into simpler substances is a(n) ____.
   b. An isotope is a ______.
   c. List the 7 diatomic elements.

REMINDER ABOUT SAFETY CONTRACTS: TURN IT IN IF YOU HAVEN’T ALREADY!!
Lesson 4 Part 2

MATTER
Turn in your Do Now pages to the right.
Reminder: Safety Contracts
Classify matter.
1. Which of these are mixtures? ________________  pure substances? ________________
2. Which only contain compounds? ________________  only elements? ________________
3. Which contain a gas? ______ a liquid? ______ a solid? ______
Solid

• Matter has ___________________________ shape and ____________________________ volume.

• Particle movement: __________________________________________
Liquid

• Matter has __________________________ shape and __________________________ volume.

• Particle movement: ________________________________
Gas

• Matter has _____________________ shape and ______________________ volume.

• Particle movement: ____________________________________________
1. Kinetic energy
2. Phase change terms
3. Does the temperature change during melting or vaporization?
Draw particle representations for the following:
A mixture of iron and sulfur
A compound of iron and sulfur

Explain why a magnet can separate iron atoms from the mixture but not from the compound.
Which of these are mixtures? ____________ pure substances? ______________

Which contain only compounds? ____________ only elements ____________
Which of these are mixtures? ____________  pure substances? ________________

Which contain only compounds? ____________  only elements ____________