Review Sheet Chapters 3 & 4

	Chaptere e a 1
1)	Draw pictures of each of the three main states of matter below:
2)	Is each state of matter compressible? Which ones are?
Do	es each state of matter have a definite shape? Which ones do?
3)	List three chemical changes that could happen to a piece of raw meat.
4)	List three physical changes that could happen to a piece of raw meat.
5)	Are solutions a subset of mixtures?
6)	Are mixtures a subset of solutions?
,	What is the difference between a homogeneous and a heterogeneous substance?
8)	All elements and compounds are which type (see #7) of substance?
9)	How are compounds and mixtures the same? How are they different?
ŕ	What process is used to separate two substances based on a difference in their boiling points? Does this process cause a physical or chemical change?
,	What are the two types of pure substances? How are they the same? How are they different?
ŕ	Copy down the symbol for the element hydrogen and draw a square around it. Write the atomic number at the top and the atomic mass at the bottom. Where can the mass number be found on the periodic table?
13)How many protons and neutrons are in the nucleus of P-31? How many in P-32?	
14)Make the following conversions:	
	a. 548 J = cal b. 548 cal = J c. 548 kJ = cal d. 548 J = kcal

_____°C

e. 350 K =

f. 350 °C = g. -350 °C = _____K