Worksheet: "Classification of Matter"

Name: _____

A. Use your notes and the te Blanks may be filled in using		•	lanks on the concept map below.
Blanks may be filled in dainig		,, a definition (bel)	or examples.
anything that has a mass and takes up space			
	anything that has a m	ass and takes up sp	bace
Pure Substances Mixtures Def:			
pure substances that cannot be broken down into simpler substances.	pure substances that contain two or more different elements in a fixed amount.	w:	substances that e can be easily seen and can
Examples	Examples	Examples	Exam ples
B. Classify each of the follow	ving pure substance as a	n element (E) or as	a compound (C).
1. Salt	6. Copp		11. Oxygen
2. Nickel	7. Suga		12. Water
3. Gold	8. Carb		13. Hydrogen Oxide
4. Carbon Dioxide	9. Iron Sulfide		14. Bromine
5. Iron	10. Mag	gnesium Oxide	15. Calcium Chloride
C. Classify each of the follow	ving mixtures as a homo	geneous mixture or	r a heterogeneous mixture.
1. Sand	4. Kool-aid		7. Water and Sugar
2. Steel	5. Garbage		8. Air
3. Jello	6. Soil		9. Pizza
B. Classify each of the follow		ostance (P) or as a m	
1. table salt	4. milk		7. Carbon dioxide
2. iron	5. cola		8. soup
3. water	6. oxyg	en	9. eggs
_	of the particles for each	of the following:	
i) Element ii) compound iii) homogeneous mixture iv) heterogeneous mixture 2. Why is it easier to compress a gas rather than a liquid?			
-	_	•	
	id to have a definite sha	•	no another Evaluis
4. Gas particles are considered to have very little attraction to one another. Explain. 5. Why is solid iron denser than liquid iron?			
6. Explain in terms of the particle theory what happens when:i) a liquid freezes into a solid			
5. Explain in terms of the particle theory what happens when.		ii) a vapor condenses into a liquid	
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