10/10

Name: [redacted]

Date: 10-27-11

Period: 3/4b

Comparing Pure Substances, Mixtures, Solutions and Compounds

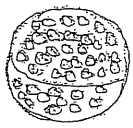
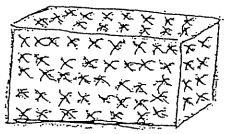
Label each diagram as a pure substance, mixture, solution or compound.
Explain your answer. Give an example for each.

1. 

Mixture

Why?
There are two components X + O.

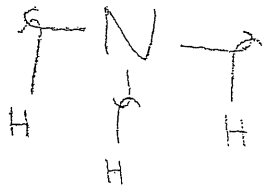
Example: Sand

2.  or 

Pure

Why?
There is only one component in each container

Example: pure silver

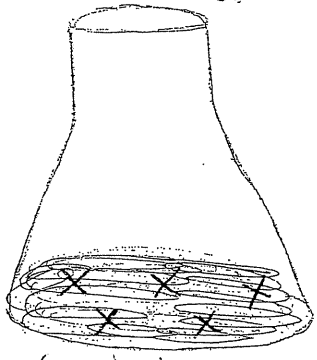
3. 

NH_3

compound

Why?
It's a chemical combination of two components

Example:
water
H_2O

4. 

solution

Why?
There are two components and the different particles dissolved inside

Example: green liquid from last lab.

Identify each example as a Pure Substance, Mixture, Solution or Compound. Explain your answer.

5. You make lemonade with water and crystal light mix.
Solution, there are different components but they dissolve together

6. You make an oil and vinegar salad dressing.
Mixture, there are two components (not totaly dissolved together)

7. You add raisins to a bowl of corn flakes.
Mixture, two components

8. Water.
Compound, it's a chemical compound of 2 components

9. Aluminum Foil.
Compound because they bonded Aluminum with another element to make it foil

10. A room decorated with bronze statues.
Mixture, you can take the statues out

11. You heat a test tube with sulfur and iron filings. A black substance is produced.
compound, the black substance is made of sulfer and iron chemicaly.

12. Copper wire.
Compound, you have to add a component to the copper to make it a wire.