

All the news that's fit to print... and then some

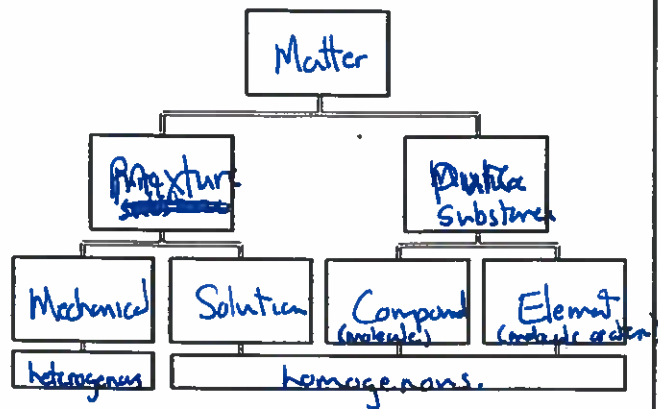
The Grade Nine Daily

Quiz 9.2.1 Chemical Change

Name: _____

Some of the answers for this page can be found in the list at the bottom of the page.

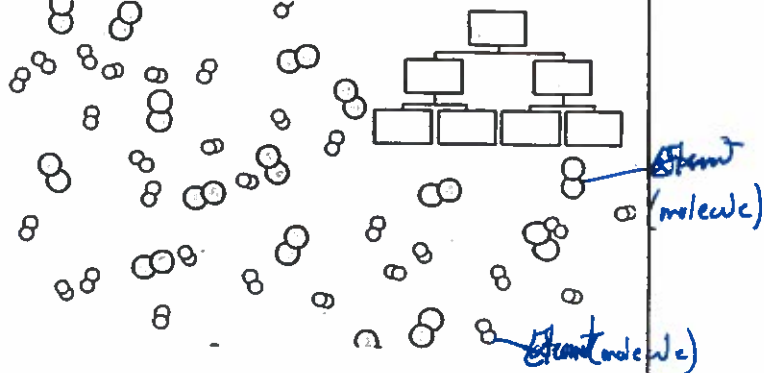
1 Complete the Classification of Matter chart



Date: _____

/4

2 Classify this system as Element, Compound or Mixture. Shade in one box in each row.



Circle two different kinds of molecules. Are they Elements or Compounds?

Could this system be a Solution? Be prepared to explain.

Yes
2 different molecules mixed at the atomic level.

Date: _____

/4

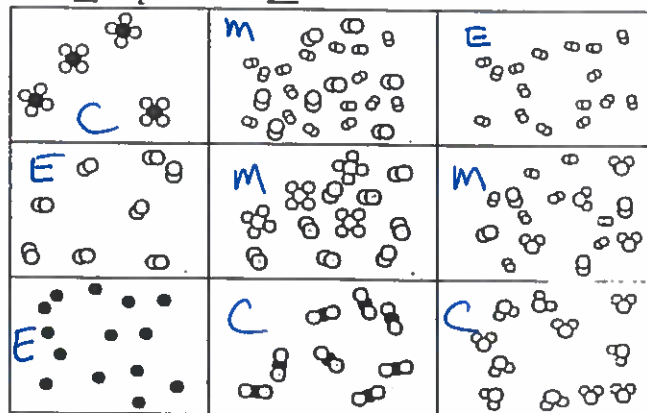
3 In the list below are things that you might find in a restaurant. Are they Elements Compounds, Solutions or Mechanical mix?

- | | |
|---------------------|---------------------------|
| 1. <u>C</u> salt | 6. <u>M</u> ketchup |
| 2. <u>S</u> vinegar | 7. <u>M</u> relish |
| 3. <u>S</u> coffee | 8. <u>C</u> plastic spoon |
| 4. <u>M</u> milk | 9. <u>C</u> sugar |
| 5. <u>M</u> pepper | 10. <u>E</u> silver spoon |

Date: _____

/4

4 Classify each box as containing Element, Compound or Mixture



Date: _____

/4

Element
Compound
Suspension

Atom
Molecule
Mixture

Solution
Pure Substance
Mechanical Mixture

Heterogeneous
Homogeneous
Colloid

6 Is it a Physical or Chemical change?

1. P an ice cube melts
2. P a light bulb lights up
3. C a match burns
4. C a car rusts
5. P frost forms on a window
6. C a log rots in a forest
7. C a plant grows
8. C milk sours in the fridge
9. P a drinking glass is broken
10. C a cake bakes

Date: _____

14

Change

7 Mark arrows Physical or Chemical change.

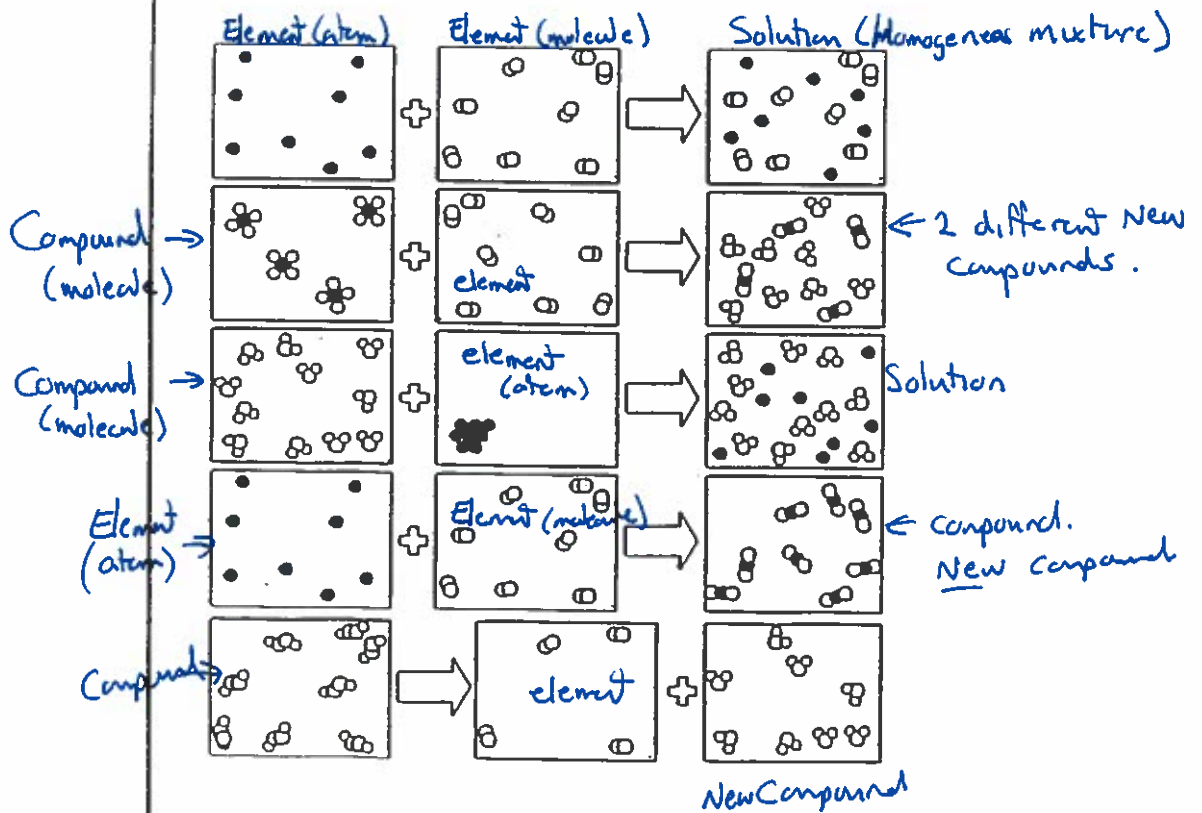
Physical

Chemical

Physical

Chemical

Chemical



Date: _____

14