

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

### MIXTURES

A. After each statement, click homogenous or heterogenous.

- |                         |            |              |
|-------------------------|------------|--------------|
| 1. Salt and water.      | HOMOGENOUS | HETEROGENOUS |
| 2. Coloured beads.      | HOMOGENOUS | HETEROGENOUS |
| 3. Rice and peas.       | HOMOGENOUS | HETEROGENOUS |
| 4. Oxygen in water.     | HOMOGENOUS | HETEROGENOUS |
| 5. Corn meal and flour. | HOMOGENOUS | HETEROGENOUS |

After each statement below, click on the mixture which is being described.

- |                                                         |         |            |          |
|---------------------------------------------------------|---------|------------|----------|
| 1. Light is dispersed by the particles in this mixture. | COLLOID | SUSPENSION | SOLUTION |
| 2. In this mixture, the particles eventually settle.    | COLLOID | SUSPENSION | SOLUTION |
| 3. Particles are visible with the naked eye.            | COLLOID | SUSPENSION | SOLUTION |
| 4. Mixture is cloudy but looks homogenous.              | COLLOID | SUSPENSION | SOLUTION |
| 5. Light passes right through this mixture.             | COLLOID | SUSPENSION | SOLUTION |
| 6. The effects of light are variable with this mixture. | COLLOID | SUSPENSION | SOLUTION |
| 7. Particles are only visible under an ultramicroscope. | COLLOID | SUSPENSION | SOLUTION |
| 8. Light is dispersed by the particles in this mixture. | COLLOID | SUSPENSION | SOLUTION |
| 9. This mixture is cloudy and heterogenous.             | COLLOID | SUSPENSION | SOLUTION |
| 10. Particles are $10^{-7}$ - $10^{-8}$ cm in size.     | COLLOID | SUSPENSION | SOLUTION |
| 11. In these TWO mixtures, the particles do not settle. | COLLOID | SUSPENSION | SOLUTION |
| 12. This mixture is clear and transparent.              | COLLOID | SUSPENSION | SOLUTION |
| 13. This mixture is homogenous.                         | COLLOID | SUSPENSION | SOLUTION |
| 14. Particles are not visible at all.                   | COLLOID | SUSPENSION | SOLUTION |