



**Mole Day
WORKSHEET
6.02, 2014**

What's the Word?

All the answers are things you can find at Six Flags Great Adventure!

1. Carbon, Oxygen, Neon
2. Sulfur, Uranium, Phosphorus, Erbium, Hydrogen, 68, Oxygen
3. Barium, Boron, 8, Oxygen, Nitrogen
4. Boron, 5, Uranium, Nitrogen, 7, Yttrium
5. Sulfur, Holmium, Tungsten
6. Lithium, Oxygen, Nitrogen
7. 45, 49, 8
8. Sulfur, Phosphorus, Indium
9. Francium, 8, Nitrogen, Titanium, 68
10. 5, 8, Argon, Tungsten, Aluminum, Potassium

Chemistry is Everywhere

All the answers are things you can find at Six Flags Great Adventure!

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| 1. An element | A. Souvenir bottle |
| 2. A homogenous mixture | B. Diet Coke |
| 3. A gas-liquid solution | C. Ice |
| 4. An edible example of a physical change | D. Nitro |
| 5. A pure compound which contains ionic bonds | E. In salad dressing (not oil) |
| 6. A pure compound which contains covalent bonds | F. Ice cream in the sun |
| 7. A substance with a density less than 1g/mL | G. Tastes good on fries |
| 8. Something made from a substance with a density more than one | H. Tastes good in coffee |
| 9. An acid | I. Air |
| 10. A polymer | J. Aluminum |

What is the only letter that does not appear in the periodic table?