1.9 Activity: Classifying Matter

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| Station | Description of substance | Type of matter  (be specific) | Reason(s) |
| Example | dishsoap | Mixture  homogeneous | It contains many things, only 1 is seen |
| 1 | Water & oil | Mixture  hetero | 2 things seen |
| 2 | Water | Pure substance  Compound | 1 type of particle with different atoms |
| 3 | Steel wool | mixture  homogeneous | Carbon & iron  See 1 thing |
| 4 | Water & Food Colouring | Mixture  homogeneous | More than 1 ingredient we see 1 thing |
| 5 | Aluminum Foil | Pure Substance  Element | We see 1 thing made of 1 atom |
| 6 | Water & Sand | Mixture  Hetero | 2 things with multiple ingredients |
| 7 | Antifreeze | Mixture  Homogenous | More than 1 ingredient, we see 1 thing |
| 8 | Baking Soda | Pure substance  compound | Many atoms, same compounds |
| 9 | Sulfur | Pure substance  element | 1 type of atom |
| 10 | Carbon | Pure substance  element | 1 type of atom |
| 11 | Pure water | Pure substance  Compound | Different atoms, same particle |
| 12 | Iodine | Pure substance  Element | 1 type of atom |