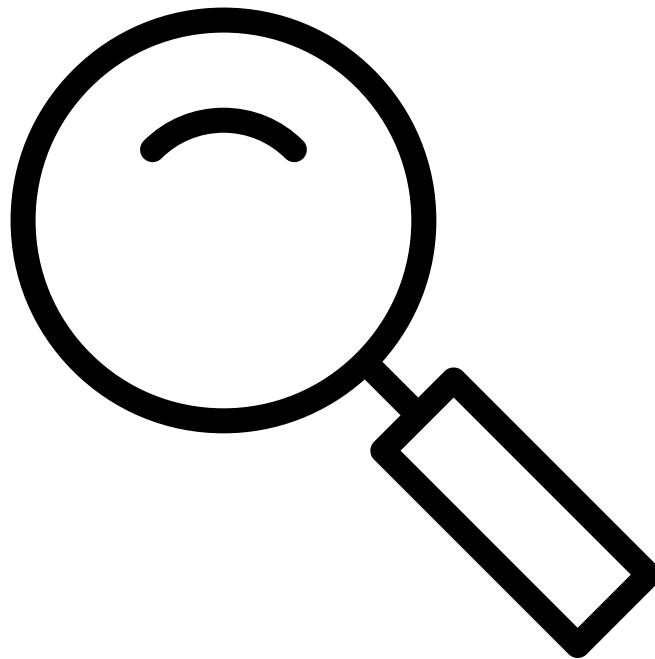
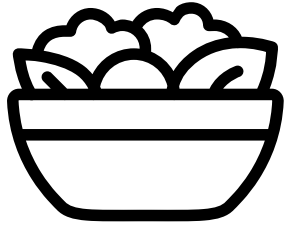


STEM SPARK

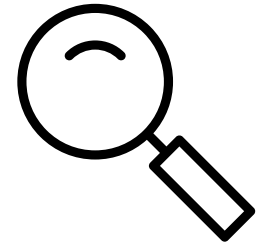
Presents

# I-Spy Food Science!





# Kitchen Science



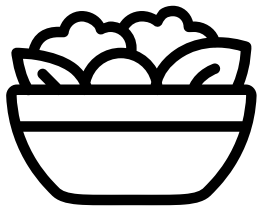
## I-Spy Food Science

In this activity, we will strengthen our science observation skills while exploring food science.

**In order to do this activity, we are going to learn the difference between a mixture and a solution.**

A mixture is a combination of two foods that can still be picked apart. Think about a salad. Even though the veggies are all mixed together, you can pick out the carrots or the cucumbers. This means it is a mixture!

A solution is a mixture of two foods that cannot be picked apart when mixed together. Think about cake batter. When you mix the egg into the flour, you can't pick out the egg anymore. That makes it a solution!



# Kitchen Science



## I-Spy Food Science

### Materials

- Images of food

### Directions:

- Find pictures of food on the internet, in a magazine or on TV
- For each food, use your science observation skills to determine if the food depicted is a mixture or solution
- First, use your sense of sight
  - What colors do you see? If a food has more than one color, that might mean it is a mixture
  - What shapes do you see? If you see shapes, that means you can see where one ingredient starts and ends. That means it's probably a mixture
- Now, use or imagine using your sense of touch
  - Can you pick out pieces of the food? If yes, then it's a mixture!
- If you can, cut out the pictures and sort them into the appropriate column on the Food Science Chart.

Can I pick out some of  
the pieces?

**Yes**

**No**

What colors do I see?

What shapes do I see?

This food is a:

**MIXTURE**

**SOLUTION**

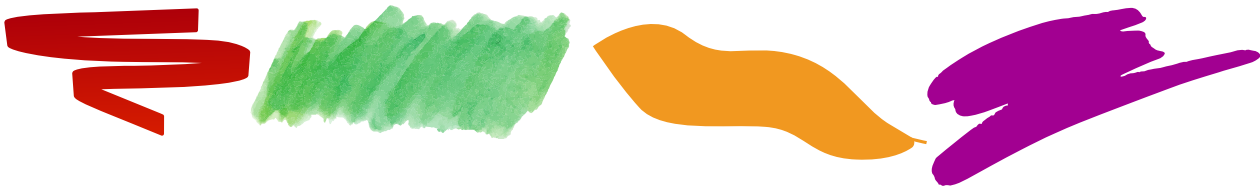


Can I pick out some of the pieces?

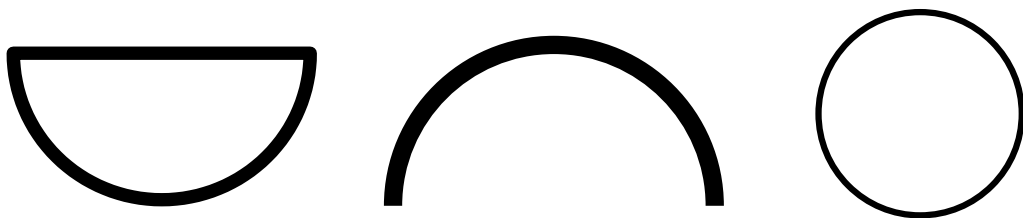
**Yes**

**No**

What colors do I see?



What shapes do I see?



This food is a:

**MIXTURE**

**SOLUTION**



Can I pick out some of the pieces?

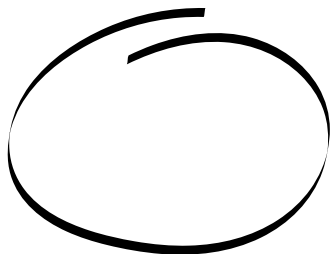
**Yes**

**No**

What colors do I see?



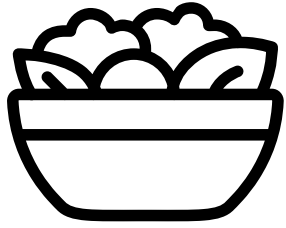
What shapes do I see?



This food is a:

**MIXTURE**

**SOLUTION**



# Kitchen Science



## I-Spy Food Science

**Mixtures**

**Solutions**

