

Age: 5+

# K is for... Kinetic Sand

**Kinetic sand** is a type of sand that is non-polar, meaning the particles in the sand are “water fearing”. Non-polar molecules do not dissolve in water, while polar molecules dissolve in water.

**Experiment:** Magic Sand

**Materials needed:**

- 1 cup of Kinetic Sand (can be purchased online or DIY-- [see below](#))
- 1 cup of Regular/play sand
- Water
- 2 baking trays



**Instructions for DIY kinetic sand:**

- To create your own kinetic sand, you will need the following materials:
  - 4 cups sand
  - 2 1/2 cups flour
  - 3/4 cup vegetable oil
- Measure out the sand and flour and add to a large bowl
- Mix the sand and flour together
- Finally, add in the oil and mix well.

**Instructions for magic sand experiment:**

- Pour a cup of the kinetic sand in one baking tray [or any dish] and the play sand in the other baking tray
- Next, add a drop or two of water to each tray
- What do you notice about the water when it touches the sand?
  - Does it absorb or “bead” up?

For more information visit:

<https://www.thechaosandtheclutter.com/archives/kinetic-sand-you-can-easily-make-at-home>

<https://www.thechaosandtheclutter.com/archives/kinetic-sand-activities>