

Name _____ Date _____

Build a Comet

Follow the steps below to create a 6-inch comet out of dry ice and household ingredients. Have all ingredients and utensils arranged in front of you before you start. Wear safety goggles and work gloves at all times.

- ❶ Cut open one medium-sized, plastic garbage bag and use it to line a large, plastic mixing bowl.
- ❷ Place 2 Cups of water in the mixing bowl.
- ❸ Add 2 spoonfuls of sand or dirt, and stir well with a large mixing spoon.
- ❹ Add a dash of ammonia.
- ❺ Add a dash of dark corn syrup or other organic material. Stir until well mixed.
- ❻ Place 2 Cups of dry ice in 3 medium-sized, plastic garbage bags that have been placed inside one another.
- ❼ Crush the dry ice by pounding it with a hammer.
- ❽ Add the dry ice to the rest of the ingredients in the mixing bowl. Stir vigorously. Continue stirring until the mixture is almost completely frozen.
- ❾ Use the plastic liner to lift the mixture out of the bowl. Shape it as you would a snowball. This is your comet.
- ❿ Unwrap the comet as soon as it is frozen enough to hold its shape.

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