

8.2 EDIBLE METEORITES



You are going to make an edible chondrite meteorite by using common ingredients to represent different parts of the meteorite.

WASH YOUR HANDS BEFORE YOU DO THIS

YOU WILL NEED

- Melted chocolate
(shared between the groups)
- Cup of biscuit crumbs
- Cup of mini marshmallows
- Melted butter (shared between the groups)
- Large muffin case
- Tablespoon
- Small mixing bowl

WHAT TO DO

1. Carefully take 1 tablespoon of melted butter and add it to your bowl.
2. Carefully take 1 tablespoon of melted chocolate and add it to your bowl.
3. Mix the butter and the chocolate together really well.
4. Add the biscuit crumbs to the butter and chocolate mix.
5. Add the mini marshmallows and stir really well so that the marshmallows are evenly spaced.
6. Carefully spoon the mixture out of the bowl and into the muffin case.
7. Take another spoon of melted chocolate and carefully drizzle it over the top of your meteorite covering as much of it as possible.
8. Put your meteorite in a fridge to set.
9. When your meteorite has set, carefully cut it in half and observe the insides. Compare it to a real chondrite meteorite and then eat your meteorite!

! WARNING! Check with your teacher about food allergies before you do this activity. **!**

WHILE IT SETS

Choose from the words below to explain what the different parts of your edible meteorite represent:

Olivine crystals

Stony material

Chondrules

Fusion crust

Iron

What do the biscuit crumbs mixed with chocolate and butter represent?

What do the mini marshmallows represent?

What does the chocolate on the top represent?

Draw a picture of your sliced meteorite and label the three parts you listed above

Did you know scientists learn how planets formed and developed by looking at what makes up chondrules in meteorites?

