REDUCE / REUSE / RECYCLE

MINING

#1 How much Oil & Coal can you mine in 3 minutes?

Count your paper clips and record their weight using the scale.

\_\_\_\_\_\_\_\_\_\_ paper clips = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ grams

CLASS TOTAL \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Make polymer chains of 10 paper clips and exchange them for Play-Doh.

How many dinosaurs can you make from the oil you mined? \_\_\_\_\_\_\_\_\_\_\_\_\_

#2 Let’s try again…how much oil & coal can you mine in 3 minutes?

Count your paper clips and record their weight using the scale.

\_\_\_\_\_\_\_\_\_\_ paper clips = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ grams

CLASS TOTAL \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Make polymer chains of 10 paper clips and exchange them for Play-Doh.

How many dinosaurs can you make from the oil you mined? \_\_\_\_\_\_\_\_\_\_\_\_\_

#3 One more time! How much oil & coal can you mine now?

Count your paper clips and record their weight using the scale.

\_\_\_\_\_\_\_\_\_\_ paper clips = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ grams

CLASS TOTAL \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Make polymer chains of 10 paper clips and exchange them them for Play-Doh.

How many dinosaurs can you make from the oil you mined? \_\_\_\_\_\_\_\_\_\_\_\_\_

What is happening to the supply of oil & coal each time you go back for more?

SEPARATION

Now that the plastic toys we made have been thrown away and mixed together, try to separate them and make more dinosaurs from only 1 color.

How many dinosaurs were you able to make from just 1 color? \_\_\_\_\_\_\_\_\_\_

RECYCLING

If we recycle the plastic toys we made and everything gets mixed together, will we be able to separate the colors and get more dinosaurs made from only 1 color? What can we do to make this process more simple?

WHY SHOULD WE REDUCE / REUSE / RECYCLE ???