## Pigments



- A pigment is a small particle that does not dissolve in water.
- Pigments can be natural or manmade. Natural pigments are obtained from rocks and minerals.
- The rainbow light from the sun gets selectively absorbed by the pigment. The colour that is reflected by the pigment is the colour we see.
- A solvent (liquid part) and a binder (sticky part) are added to the pigment to make paint.


Creating


## Malachite Green

Repeat the experiment as described for Prussian Blue but use sodium carbonate in the beaker and copper sulfate in the burette.

## Cobalt Violet

Repeat the experiment as described for Prussian Blue but use disodium hydrogen phosphate in the beaker and cobalt chloride in the burette.

## Make Your Paint

Choose one of the pre-dried pigments. In a plastic cup add a small amount of PVA glue to the pigment. Use water to thin your paint and use it to paint the mural.

## Questions

1. In the pigments, it is usually the type of metal that makes them colouriul. Can you name the metals present in the three pigments you have made?

## 2. What did you observe when mixing the two solutions to make Malachite green?

3. What was this efifect caused by?
