

Experiment: Growing Crystals on Paper

Supplies needed for a class of 20 students:

1 cup liquid bluing
1 cup ammonia
1 cup water
1 cup salt (equal amounts of each ingredient)

Odds and ends of used, wrinkled tissue wrapping paper

Plastic cups (one per each child)

Paper plates for under each experiment, if wanted

Children's names on plastic cups with permanent marker.

Students:

Tear tissue paper pieces into little strips and arrange in cups.

Teacher procedure:

Mix all ingredients in bowl or empty used container that can be stained. I use an old laundry measuring cup to stir and pour.

Cover tissue paper in each cup with 2 or 3 tablespoons of the mixture. Sprinkle a little extra salt over the top of each finished cup. When all cups are done, pour any remaining liquid to even things up.

The crystals will begin growing right away. Begin in the morning so the children can observe the changes during the rest of the day. The next morning they will be excited to see the final product.

*Note: I don't send the cups home with the children as the crystals fall off the paper and do not hold together.

Illustrated Experiment: Growing Crystals on Paper

Supplies needed for a class of 20 students:

1 cup liquid bluing
1 cup ammonia
1 cup water
1 cup salt (equal amounts of each ingredient)
Odds and ends of used, wrinkled tissue wrapping paper

Plastic cups (one per each child)

Paper plates for under each experiment, if wanted

Children's names on plastic cups, with permanent marker.



Students:

Tear tissue paper pieces into little strips and arrange in cups.



Teacher procedure:

Mix all ingredients in bowl or empty used container that can be stained. I use an old laundry measuring cup to stir and pour.

Cover tissue paper in each cup with 2 or 3 tablespoons of the mixture. Sprinkle a little extra salt over the top of each finished cup. When all cups are done, pour any remaining liquid to even things up.



The crystals will begin growing right away. Begin in the morning so the children can observe the changes during the rest of the day. The next morning they will be excited to see the final product.



*Note: I don't send the cups home with the children as the crystals fall off the paper and do not hold together.

The first day:



The next day:

