THAMES & KOSMOS

WARNING — THIS SET CONTAINS CHEMICALS THAT MAY BE HARMFUL IF MISUSED. READ CAUTIONS ON INDIVIDUAL CONTAINERS CAREFULLY. NOT TO BE USED BY CHILDREN EXCEPT UNDER ADULT SUPERVISION.

WARNING. Not suitable for children under 3 years. Choking hazard — small parts may be swallowed or inhaled. Keep the packaging and instructions as they contain important information.

Ooze Labs
Mix Your Own Thermocolor Slime

AGES 6+

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Ooze Labs: Thermocolor Slime
No. 575004 KIN 1617487
Made in Taiwan

575004-02-161220

SAFETY INFORMATION

Information about the Included Slime Powder

Thermocolor (Hypercolor) slime powder, 6.5-7.5 g (0.22-0.26 oz.)
Main ingredients: Locust bean gum, guar gum, silica, thermocolor dye, color pigment

Do not get in eyes, into the mouth or on clothing.
Wash hands thoroughly after handling.
Do not ingest. Avoid breathing dust. Use only as instructed.
Keep slime powder out of reach of small children and animals.
Store the slime locked up.

Use the materials carefully, as they may stick to or stain fabric, wood, carpet, or other materials. Clean with water.

First Aid Information
If any powder or finished slime gets into the eyes: Wash out eye with plenty of water, holding eye open, if necessary. Seek immediate medical advice.
If swallowed: Wash out mouth with water, drink some fresh water. Do not induce vomiting. Seek immediate medical advice.
In case of doubt, seek medical advice without delay. Take the slime or powder and its packet / this manual with you.

WARNING!
Not suitable for children under 3 years.
Choking hazard — small parts may be swallowed or inhaled.
Keep packaging and instructions, as they contain important information.

1. SETTING UP THE OOZE TUBE

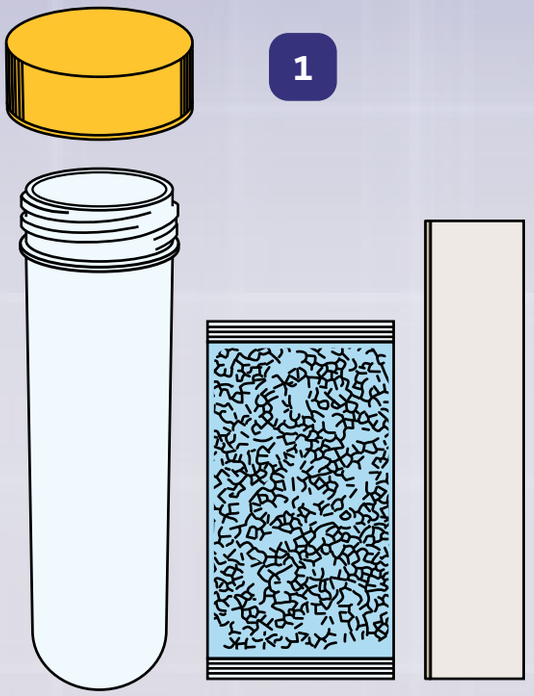
CONTENTS
Test tube, lid, packet of slime powder (6.5-7.5 g (0.22-0.26 oz.), No. 717710), cardboard strip

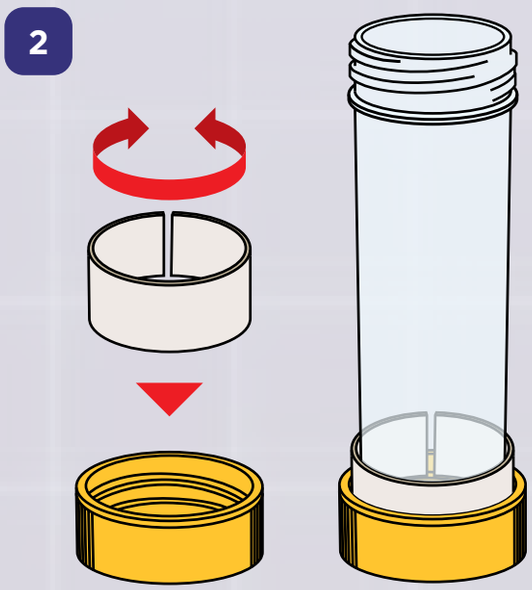
YOU WILL ALSO NEED
Permanent marker, water, hot water, pot, scissors, stirring stick

HERE'S HOW

1. Remove the contents from the test tube.

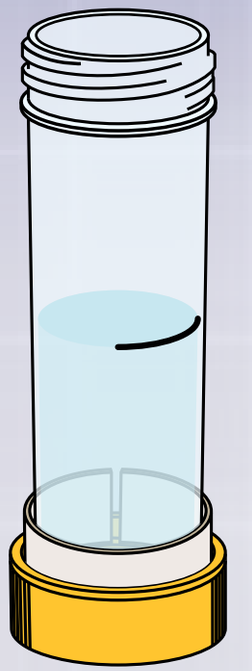
2. Use the cardboard strip to make a test tube holder by rolling it into a circular tube and fitting it into the cap. Place the test tube into the holder.



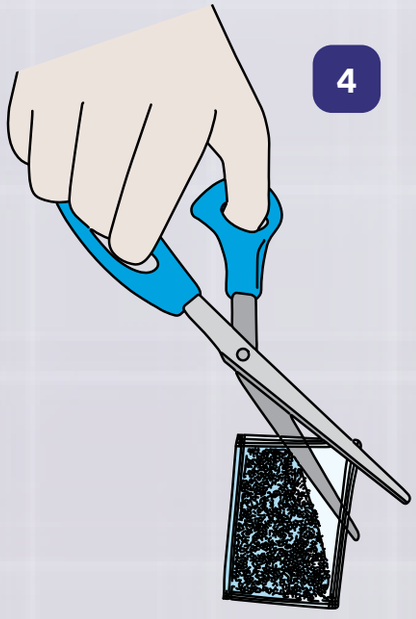


2. MIXING THE SLIME

3. Fill the test tube with 75 ml of water. To measure this, use the test tube guide printed here to make a mark on the test tube. Fill the test tube up to the line with water. (You can also just eyeball it.)



4. Open the packet of powder using a pair of scissors. Do not use your teeth. Be careful not to get any of the powder in your eyes or mouth.



9 cm

(75 ml)

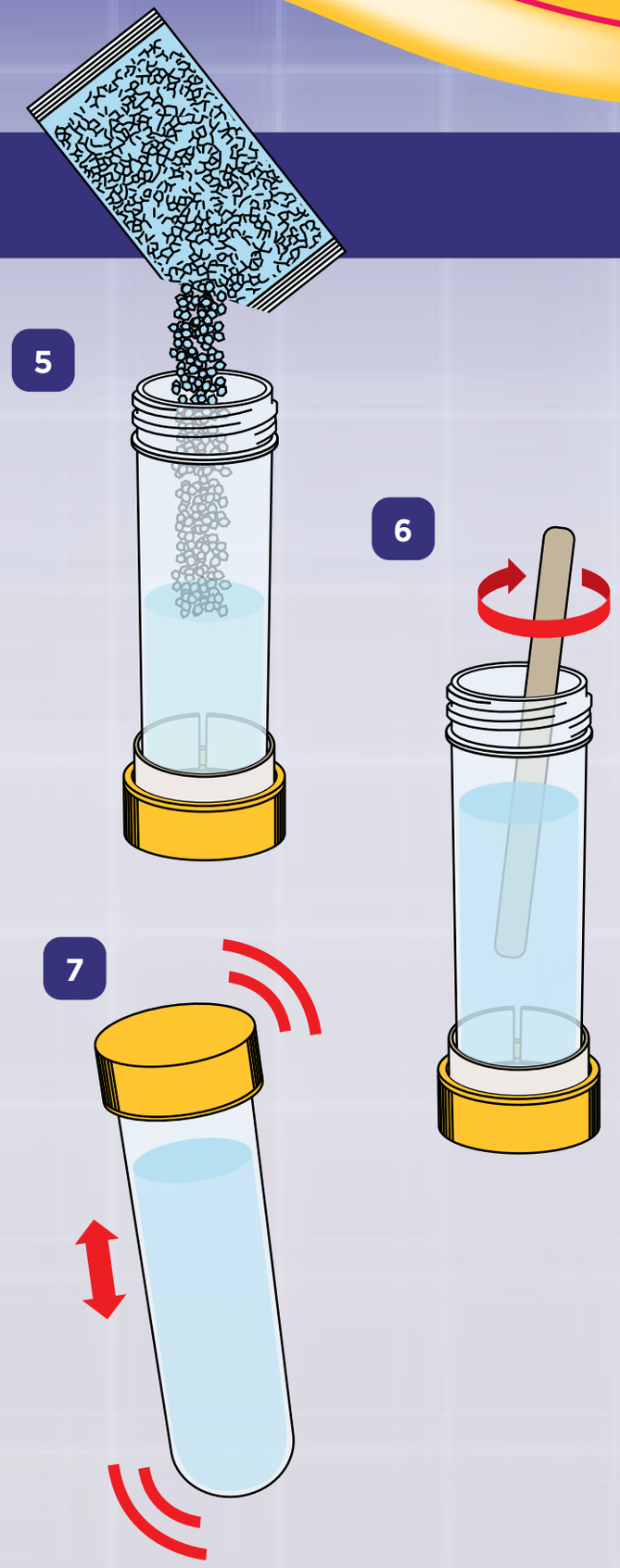
TEST TUBE FILLING GUIDE

3. MIXING THE SLIME

5. Pour all of the powder slowly into the tube and avoid creating airborne dust.

6. Optional: Use a stirring stick to mix the powder into the water.

7. After the powder is mixed with the water, close the test tube with the lid and shake it for 30 seconds. Let the contents sit, shaking the tube every few minutes, until they have solidified. This takes about 15–20 minutes. After the contents have solidified, you can open up the test tube and have fun experimenting with the slime.



4. COLOR IN HYPERDRIVE

8. Put the slime in the test tube and place the test tube in a pot of hot water. Have an adult help you heat the water safely. Be careful not to burn yourself.
   Observe the slime for a period of five to ten minutes. What do you notice?

9. Remove the test tube from the hot water, wipe it dry, and place it into the holder. Let the slime cool down to room temperature. What happens when the slime has cooled down?

   As we have omitted hazardous substances from this slime, it will disintegrate after a few days; the mixture will become watery.

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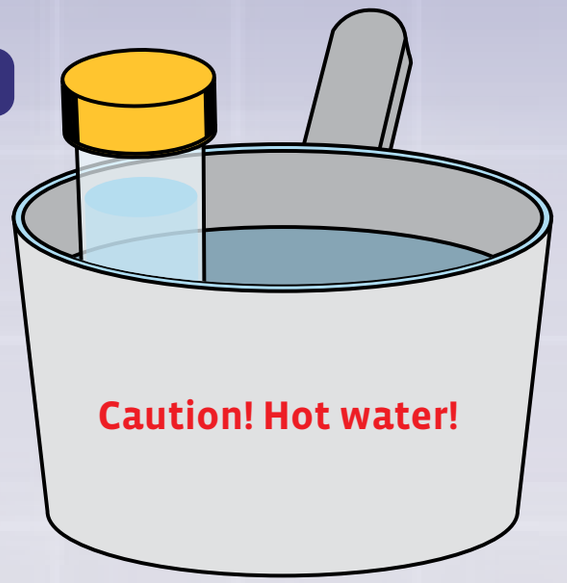

TIP! You can use other kitchen utensils, such as large kitchen spoons and rubber bands, to prop up the test tube in the pot.

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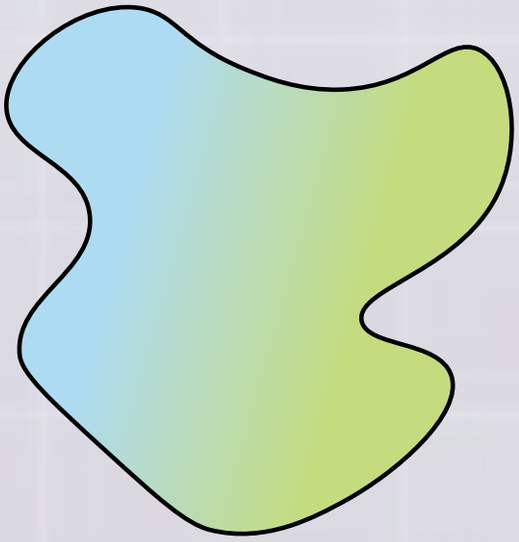
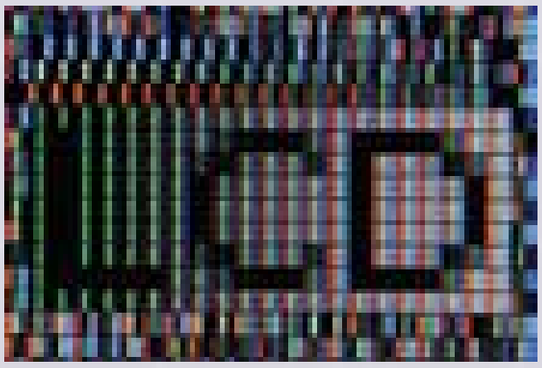


Mood ring

WHAT'S HAPPENING?

A material that changes color due to a change in temperature is called **thermochromic.** A thermochromic material changes color because when it is heated the way that its molecules absorb and release light changes. This process is reversible because it does not involve a change in the structure of the molecules in the material. This type of change is called a **physical change.** A classic example of a thermochromic material is a mood ring which changes color in response to the wearer's body heat. There are two common groups of thermochromic materials: **liquid crystals** and **leuco dyes.** As the name suggests, liquid crystals are materials that are in a state between a liquid and a crystal solid. A common use for liquid crystals is in liquid crystal displays (LCDs), which are used in TVs and computer monitors. Leuco dyes are chemicals that can switch between two different forms, one of which is colorless, depending on exposure to light, heat, or pH.



LCD screen

INFORMATION FOR PARENTS AND ADULTS

Dear Parents,
With this kit, you will be helping your child experiment with color-changing slime. We are asking you to read these instructions together with your child, follow them and keep them for reference. Only carry out the experiments listed in the instructions. Do not allow the slime powder and the finished slime to come into contact with the eyes or mouth. Please remind your child to wash his or her hands thoroughly after the experiments and after handling the slime. This set is for use only by children over 6 years. For use under adult supervision. Therefore store it out of reach of children under 6 years old and animals. This includes the slime powder, the finished slime and the materials in the set.
Look for a good place to do the experiments. The area surrounding the experiment should be kept clear of any obstructions and away from the storage of food. Use a solid table with a top that can easily be cleaned. The working area should be cleaned up immediately after carrying out the activity. Also clean all equipment (e.g., the spatula) after use and thoroughly wash your hands. The slime powder should be used up (completely) during the course of the experiment. Open the packet of slime powder with scissors — never with your teeth. While experimenting, please be careful not to create dust of the powder. Do not eat or drink in the experimental area and while doing the experiments. The slime may cause stains that can't be washed out of clothing. Therefore wear suitable clothes that can get stained and keep the materials away from table clothes, curtains, and carpets. Store the finished slime in the test tube to prevent it from drying out and to prevent it from sticking on the surface. Dispose off all materials in this kit in the household trash and the slime when it gets dirty, liquefies, or dries out.

We hope you and your child have a lot of fun with the thermocolor slime!

THAMES & KOSMOS, 89 SHIP ST., PROVIDENCE, RI, 02903, USA
1-800-587-2872 WWW.THAMESANDKOSMOS.COM
FRANCKH-KOSMOS VERLAGS-GMBH & CO. KG, PFIZERSTR. 5-7, 70184 STUTTGART, GERMANY
+49 (0) 711 2191-0 WWW.KOSMOS.DE
PRINTED IN TAIWAN / IMPRIMÉ EN TAÏWAN