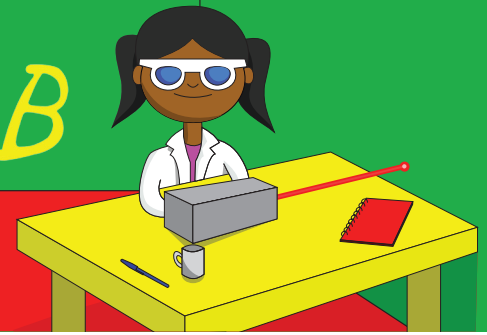


GOODNIGHT LAB

Activity Kit



Search for the Words Listed Below



EINSTEIN

NITROGEN

SCIENTIST

GOODNIGHTLAB

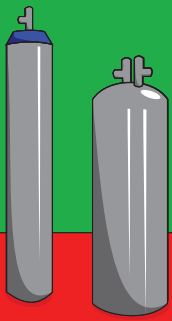
NOTEBOOK

SPECTROMETER

LASER

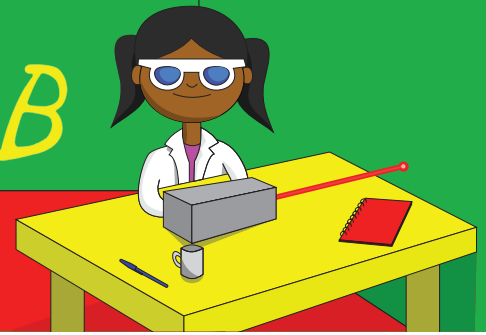
PROFESSOR

VOLTMETER



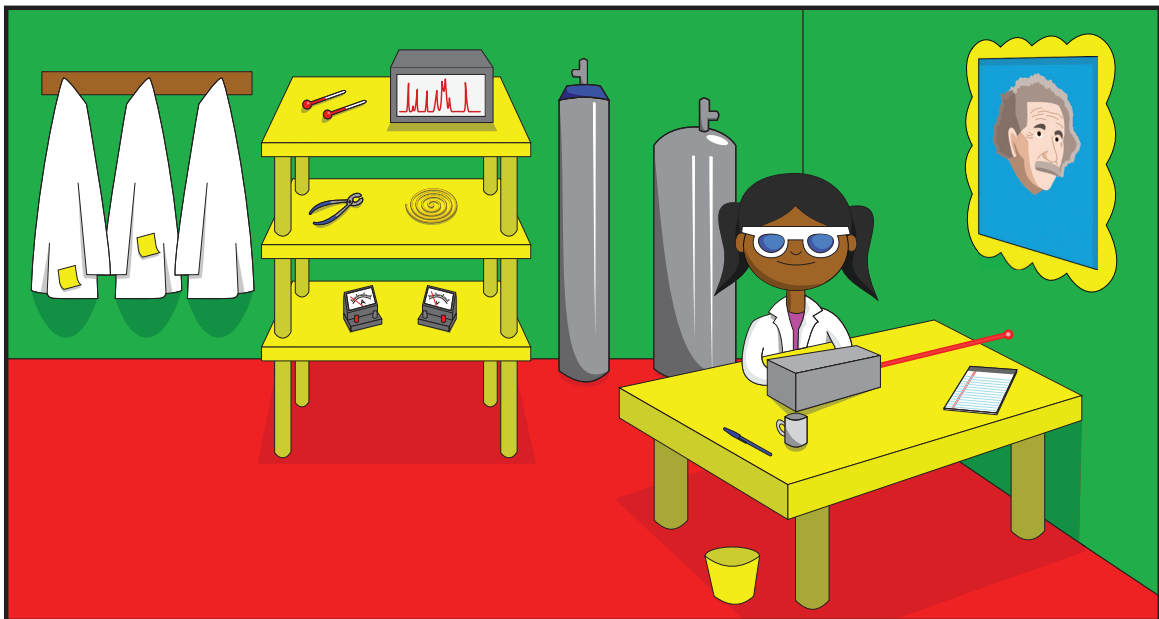
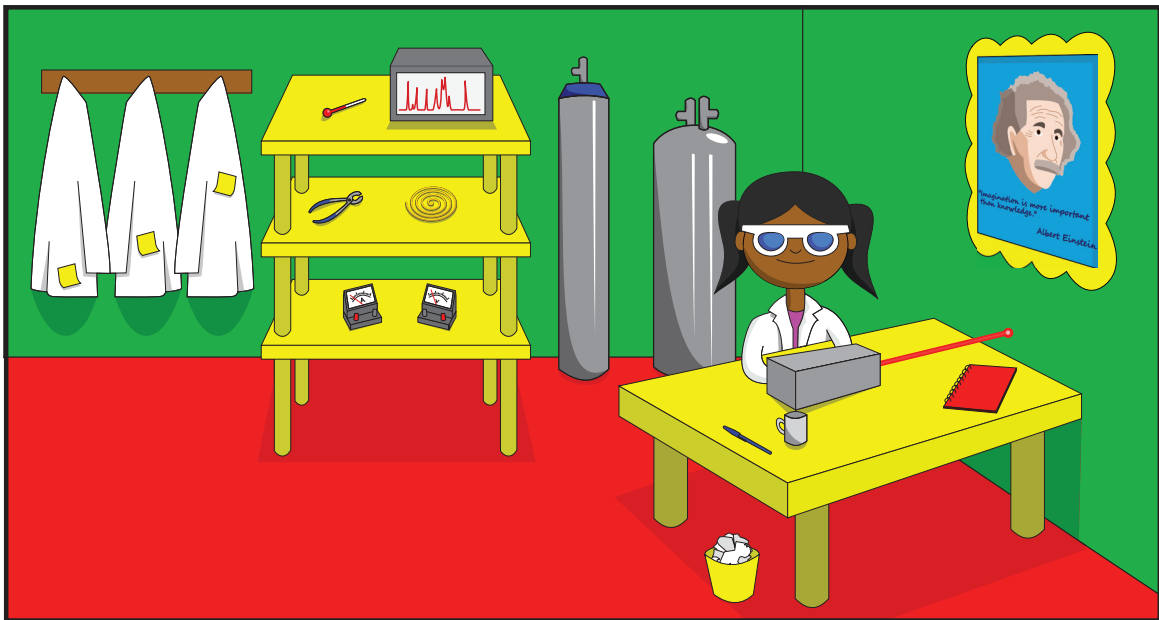
GOODNIGHT LAB

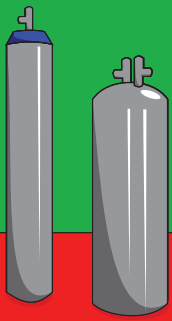
Activity Kit



Spot the Difference

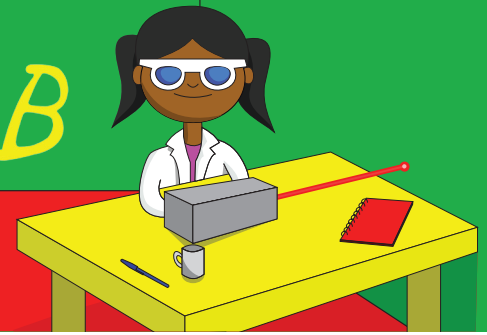
The two images below are almost the same. Can you find the 6 things that are different?





GOODNIGHT LAB

Activity Kit



Have Fun with Science

Here are 3 easy experiments you can do that are both educational and fun!

ROCK CANDY

YOU'LL NEED:

- 1–3 cups of sugar
- 1–2 cups of water
- Skewers/candy sticks
- A jar or glass (use multiple if you want different colors)
- A large saucepan
- Paper plate
- Clothespins
- Food coloring (optional)
- Candy flavoring (optional)

DIRECTIONS:

1. Combine equal parts sugar and water in a saucepan and heat until all of the sugar is dissolved. Slowly add more sugar until it no longer dissolves in the water (it will look cloudy). Stir in candy flavoring if using. Remove the sugar water from the heat and allow to cool.
2. While the sugar water is cooling, prepare your skewers. Cut the skewers down to a size for the jars you're using (make sure to leave enough for a handle). Pour some extra sugar on your paper plate. Dip part of the skewer in water and roll the wet stick in the sugar. Coat it well and let dry completely.
3. Once the sugar water is cool, distribute evenly between your jars. Add food coloring if using, one color per jar. Close the clothespin around the sugar-free part of the stick and balance clothespin on the rim of the jar, using the clothespin to hold the stick in the jar. Don't let the stick touch the bottom.
4. Now comes the hard part—waiting! After a day, you'll start to see some growth. The longer you keep the stick in the jar, the larger the candy will grow! Once you're happy with the growth, take the candy out of the jars & place on a plate to dry before eating. Enjoy!

HOMEMADE KALEIDOSCOPE

YOU'LL NEED:

- Empty toilet paper roll
- Silver Mylar sheets (thicker sheets, not rolls)
- Scissors
- Tape
- White card stock
- Bendy straw
- Markers, stickers, crayons, or other material for decorating

DIRECTIONS:

1. Cut your Mylar sheets into three equal strips. You'll want to size them so they fit snugly into the toilet paper roll without falling out. Line up your Mylar strips, leaving a tiny space between each one, and place the shiniest side facedown. Tape them together over the open spaces. Fold the taped Mylar into a triangular shape and tape along the top to hold (all tape should be on the outside). Slide it into your cardboard tube.
2. Cut your straw in half, keeping the bendy part. Tape the straw along the top of your roll with the flexible part hanging over the edge. Cut out circles from your card stock that measure roughly 3.75" in diameter. Poke a hole in the center of your circles. Decorate the circle using your decorating materials. Try different designs, shapes, and letters!
3. Place the circle onto the straw with the design facing the roll. You want the hole to fit over the bendy part of the straw. Look into the kaleidoscope and discover all the reflections created by your designs!

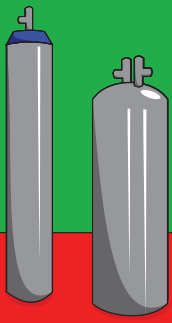
LEMON VOLCANOES

YOU'LL NEED:

- 2 lemons per volcano
- Baking soda
- Food coloring
- Craft stick
- Dish soap
- Tray with high sides
- Cup and spoons
- Knife (adults only)

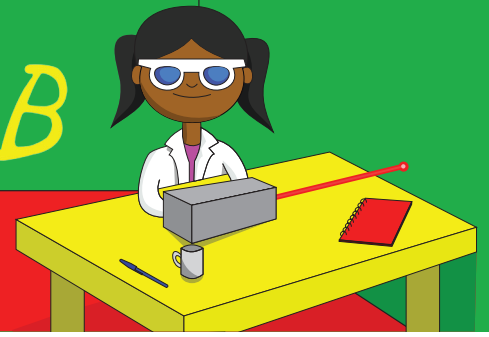
DIRECTIONS:

1. Prep one lemon by slicing a small part off the bottom to make it sit flat. On the other side, slice out the core (like you're taking off the top of a pumpkin). Prepare extra lemon juice by juicing the second lemon into your cup.
2. Place your cord lemon in your tray. Use your craft stick to mush the center and sides of the lemon to bring out all the juices. Keep the juice in the lemon!
3. Add a couple drops of food coloring to the center of the lemon. Add a good squeeze of dish soap to the lemon. Add a spoonful of baking soda into the lemon. It should start to fizz.
4. Take your craft stick and stir the lemon and lemon juice. Your volcano should really start to flow now! To keep the reaction going, add more baking soda, coloring, and lemon juice.



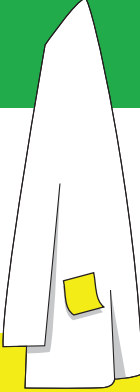
GOODNIGHT LAB

Activity Kit



Draw Yourself as a Scientist

Are you an astronomer who studies the stars, a marine biologist who studies the oceans, a geologist who studies rocks, or do you dream of studying something else?



HELLO!

My name is

SCIENTIST



HELLO!

My name is

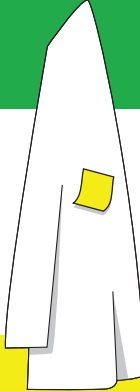
SCIENTIST



HELLO!

My name is

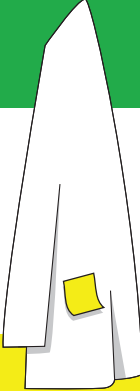
SCIENTIST



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HELLO!

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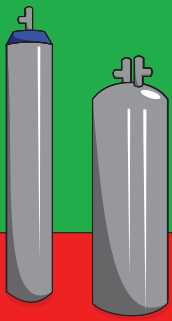
SCIENTIST



HELLO!

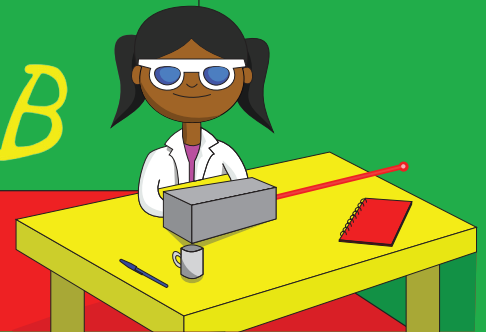
My name is

SCIENTIST



GOODNIGHT LAB

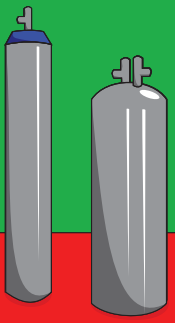
Activity Kit



Scavenger Hunt

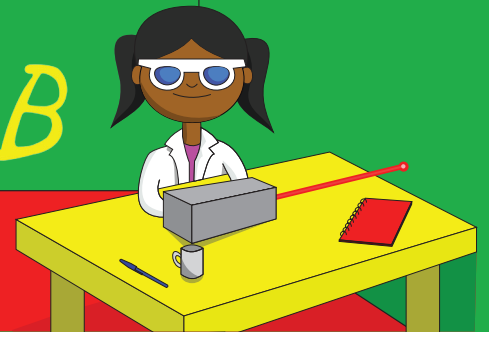
Find these common lab, classroom, and library items in this fun scavenger hunt! First person or team to find all items wins!

DESK	NOTEBOOK	PARTNER OR FRIEND	ROLLING CHAIR
PEN	SCIENCE BOOK	HANGING PICTURE	CLOCK
COMPUTER SCREEN	CALENDAR	PROFESSOR OR TEACHER	SOMETHING SILVER
DRINKING CUP	SOMETHING TRIANGULAR	FILING CABINET	POTTED PLANT



GOODNIGHT LAB

Activity Kit



Draw and Color the Tools You Need to Be a Scientist

Some examples of items your shelf might need are: microscope, thermometer, beaker, note pad, safety goggles, scale, test tubes, or rubber gloves. Add as many scientific gadgets as you can fit!

