

Science Fair Ideas

- Do cut flowers last longer if you put them in warm water or in cold water? You can test how effectively flowers are drinking water by adding food coloring to it and using white cut flowers, such as carnations. Do flowers drink warm water faster, slower, or at the same rate as cold water?
- Do all students in the class have the same size hands and feet as each other? Trace outlines of hands and feet and compare them. Do taller students have larger hands/feet or does height not seem to matter?
- Are waterproof mascaras really waterproof? Put some mascara on a sheet of paper and rinse it with water. What happens? Do 8-hour lipsticks really keep their color that long?
- Do clothes take the same length of time to dry if you add a dryer sheet or fabric softener to the load?
- Do frozen candles burn at the same rate as candles that were stored at room temperature?
- Do all types of bread grow the same types of mold?
- Do raw eggs and hard-boiled eggs spin the same length of time/number of times?
- What type of liquid will rust a nail the quickest? You could try water, orange juice, milk, vinegar, peroxide, and other common household liquids.
- Does light affect how fast foods spoil?
- Can you tell from today's clouds what tomorrow's weather will be?
- Does magnetism travel through all materials? Put different materials between a magnet and metal. Do they affect how strongly the magnet is attracted to the metal? If so, do they all affect the magnetic field the same amount?
- Will seeds germinate if you soak them in a liquid other than water? You can try milk, juice, vinegar, and other common household liquids. Alternatively, you could see if plants will grow if they are 'watered' with liquids other than water.
- How much salt (or sugar) can a plant tolerate? Water plants with different solution of salt or sugar. How high of a concentration can the plant tolerate? A related question would be to see if plants can survive if they are watered with soapy water, like leftover dishwater.
- Do birds have a preference for birdhouse material? In other words, do they seem to care if the birdhouse is made from wood or plastic or metal?
- Do worms react when exposed to light? Do worms react differently to different colors of light?
- Do ants prefer different types of sugar? Different types of sugar are found in table sugar, honey, maple syrup, and molasses.
- Can you taste the difference between foods that contain fat and fat-free versions of the same product?
- Do white candles and colored candles burn at the same rate?
- What household chemicals repel insects? Pick one particular type, common to your area, such as flies, ants, or roaches and test herbs, spice, etc. to see if you can come up with a non-toxic way to keep bugs away.
- Can people taste the difference between drinks sweetened with Stevia (a natural non-calorie sweetener) and sugar? Which do they prefer?
- Are there any dyes you can add to water living plants that change the color of their flowers? Hint: Some modern orchids are tinted blue using dyes, so it's possible.
- Do people have the same sensitivity to smell? Place people at one end of a room. Have another person open a scent, such as lemon oil or vinegar. Have your test subjects write down what they smell and what time they smelled it. Is the time the same for different scents? Does it matter whether the test subject was male or female?
- Does storage temperature affect popcorn popping? Store popcorn in the freezer, refrigerator, at room temperature, and in a heated location. Pop the same amount of each 'sample'. Count how many unpopped kernels remain. Can you explain the results?
- Does food cooked in the microwave cool at the same rate as food cooked in the oven or on the stovetop? Heat foods to the same temperature. Use a thermometer to measure the temperature at set times. Explain your results.
- Can you sip the same amount of liquid through two straws at once as one straw? What about 3 straws?
- Does the color of a light affect how bright it appears in fog? in water?
- Where is the best place to store apples?
- Where is the best place to store bananas? Are they the same?
- Does the temperature of a magnet affect its magnetic field lines? You can trace the magnetic field lines of a magnet by putting iron filings on a sheet of paper over the magnet.
- What brand of battery lasts the longest?
- Make ice cubes starting with different temperatures of water. Does the starting temperature of water affect how long it takes to freeze?

This is the site where these ideas were found. (I looked at 3rd, 4th, and 5th.)
<http://chemistry.about.com/od/sciencefairprojectideas/a/projectideas.htm>