

Science Fair

Name: _____

Sheet # 1- Title/Question

The question I will be answering is:

Parent Signature: _____

SCIENCE PROJECT IDEAS - LEVEL 3

1. What type of line carries sound waves best?	21. Which way does the wind blow most frequently?
2. Can the sun's energy be used to clean water?	22. Does the size of a light bulb affect its energy use?
3. Does a green plant add oxygen to its environment?	23. For how long a distance can speech be transmitted through a tube?
4. Which metal conducts heat best?	24. Which grows mold faster — moist bread or dry bread?
5. What percentage of corn seeds in a package will germinate?	25. What type of soil filters water best?
6. Does an earthworm react to light and darkness?	26. Does the color of a material affect its absorption of heat?
7. Does the human tongue have definite areas for certain tastes?	27. Does sound travel best through solids, liquids, or gases?
8. Can same-type balloons withstand the same amount of pressure?	28. Do sugar crystals grow faster in tap water or distilled water?
9. Does the viscosity of a liquid affect its boiling point?	29. Can you see better if you limit the light that gets to your eye?
10. Does surrounding color affect an insect's eating habits?	30. How much of an apple is water?
11. Do children's heart rates increase as they get older?	31. What common liquids are acid, base, or neutral?
12. How can you measure air moisture?	32. Are taller people shorter people?
13. What materials provide the best insulation?	33. Does the length of a vibrating object affect sound?
14. Is using two eyes to judge distance more accurate than using one eye?	34. Does a plant need some darkness to grow?
15. Do different kinds of caterpillars eat different amounts of food?	35. Who can balance better on the balls of their feet — boys or girls?
16. What plant foods contain starch?	36. Does exercise affect heart rate?
17. What keeps things colder — plastic wrap or aluminum foil?	37. Which dish soap makes the longest lasting suds?
18. Does heart rate increase with increasing sound volume?	38. What are the effects of chlorine on plant growth?
19. Do boys or girls have a higher resting heart rate?	39. Which type of oil has the greatest density?
20. Do liquids cool as they evaporate?	40. How accurately do people judge temperatures?

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Sheet #2 –Purpose (see science fair guidelines for a description of what should be included in your purpose)

My purpose is:

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Sheet #3 –Hypothesis (see science fair guidelines for a description of what should be included in your hypothesis)

My hypothesis is:

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Sheet #4 & #5 –Materials & Procedure (see science fair guidelines for a description of what should be included for materials and procedure)

#4 The materials I am using for my experiment are:

#5 My procedure is:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____

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Sheet #6 –Data (see science fair guidelines for a description of what should be included for your data)

Because most of you are not going to be able to include your data on this sheet, please write an explanation of HOW you plan to present your data. Will it be on a chart? If so, what is the variable that you are changing (different colors, different weights, different sizes, different temperatures, different locations, different times of day etc.)?

Please EXPLAIN and/or draw a diagram showing how you plan to organize your data.

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Sheet #7 - Results (What happened? What did you observe?
See science fair guidelines for a description of what should be
included in your results.)

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Sheet #8 – Conclusion (see science fair guidelines for a description of what should be included in your conclusion)

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Sheet #9 – References (What books, magazines, internet sites, experts did you use to help you?)

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

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