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| **Statement** | **Testable/ Not Testable** | **How to Make it Testable** |
| Do fingers wrinkle faster in hot or cold water? | Put finger in hot water, capture the Time when finser wrikls – T1  Put finder Hot water – T2  If T2 > t1 - |  |
| How do cat's meow? | Pull the leaft ear – If cat meows –  Pull the right ear – cat meows  Fill the milk in feeding bowl – cat meows?  Show a rat to the cat – Meows? | Will the cat meow if I pull the ear.  Will the cat meow if I give him milk  Will the cat meow if it sees a rat. |
| What makes plants grow? | Not Testable | Does light, Water or soil type affect plant growth |
| Does soil type affect plant growth? | Testable | Set up an experiment with different types of soil (Clay and sandy) and measures its growth |
| How do kites work? | Not Testable | What factors affects a kite’s ability to fly? Then test different variables such as wind, speed etc |
| Does Pepsi have more carbonation than Coke? | Testable | Measures and compare the carbonation levels in Pepsi and coke using carbonation testing device and observe the changes |
| What makes something sink or float? | Not testable | Does the density of an object determine if it sinks or floats |
| Does the saltiness of water affect how fast it freezes? | Testable | Conduct an experiment with water samples with different concentration and measures the time taken for each to freeze |
| Does the temperature of the air impact how high a basketball bounces? | Testable | Test basketball’s bounce height at different air temperatures |
| Can I design a device that attaches my skateboard to my bike? | Testable | You can design and test a prototype that connects the skateboard to a bike |
| Does the amount of tv people watch affect their school attendance? | Testable | Conduct a survey or study comparing the amount of TV watched by students and their school attendance records |
| Can differently scents in the room affect how long people sleep? | Testable | Conduct an experiment where participants sleep in rooms with different scents and record the duration of the sleep |
| When will fossil fuels run out? | Not Testable | Prediction that cannot be tested directly |
| How do batteries work? | Not Testable |  |
| Why is the colour blue calming? | Not Testable | Test the people’s Reaction to blue vs other colours |
| Does using emojis make people happy? | Testable | Conduct a survey or experiment where participants use emoji and report their mood before and after |
| Can I solve the problem of my grandfather finding his way to the bathroom at night without turning on a light? | Testable | Design and test device to see if it help the grandfather to navigate in dark |
| Does eating school lunch affect how alert people are in their afternoon classes? | Testable | Measure student’s alertness in afternoon classes based on whether they ate school lunch |
| Does having plants in a house reduce the carbon dioxide level in the house? | Testable | Measures the CO2 levels in a room with or without plants over a period |
| Can I create a backpack/umbrella combination? | Testable | Design and builds a prototype of backpacks with an attached a umberlla,and tests its practically |
| Why am I awesome? | Not Testable | Subjective and one's opinion |
| Why are Reese’s Cups so good? | Not Testable | One’s personal preference |
| Why is our galaxy moving? | Not Testable |  |
| Why do people watch tv? | Not Testable | What is the most common reason to watch TV? |