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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 Testable |  |
| How do cats meow? | Pull the leaft ear – If cat meows –  Plull the right ear – cat meows  Fill the milk in feeding bowl – cat meows?  Show a rat to the vcat – Meows? Non Testable | Will the cat mewo 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? | Non testable | Does sunlight affect plant growth? Does wind speed affect kite height?  Does adding fertilizer increase plant growth? |
| Does soil type affect plant growth? | Testable | Grow same plants in different soils like clay, red soils, etc.. measure height/health. |
| How do kites work? | Non Testable | Does wind speed affect kite height?  “Does string length affect flight?” |
| Does Pepsi have more carbonation than Coke? | Testable  Measure gas release with same volume and conditions , then compare the results |  |
| What makes something sink or float? | Non Testable | Does object density affect if it float?  Does shape affect floating? |
| Does the saltiness of water affect how fast it freezes? | Testable  Compare the Freeze salty and plain water, measure time taken |  |
| Does the temperature of the air impact how high a basketball bounces? | Testable  Bounce same ball at different air temps, measure height |  |
| Can I design a device that attaches my skateboard to my bike? | Testable  Design, build, and test the device. |  |
| Does the amount of tv people watch affect their school attendance? | Testable  Survey TV hours and attendance records, then analyse the results |  |
| Can differently scents in the room affect how long people sleep? | Testable  Test sleep duration with different room scents |  |
| When will fossil fuels run out? | Non Testable | How fast is fossil fuel consumption growing?  How long will reserves last at current use? |
| How do batteries work? | Not Testable | Does battery size affect voltage?  Does temperature affect battery life? |
| Why is the colour blue calming? | Not Testable | Do people feel calmer in blue-colored rooms?  Does blue lower heart rate |
| Does using emojis make people happy? | Testable  Survey mood before/after emoji use in texting. |  |
| 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 lighting or guidance device at night. |  |
| Does eating school lunch affect how alert people are in their afternoon classes? | Testable  Compare alertness levels of students who eat/don’t eat lunch. |  |
| Does having plants in a house reduce the carbon dioxide level in the house? | Testable  Place plants in one room, none in another and Measure CO₂ levels in both over time. |  |
| Can I create a backpack/umbrella combination? | Testable  Design and build a prototype. Test it during rain for functionality and ease of use. |  |
| Why am I awesome? | Not Testable | Do people think I’m helpful?  Does helping others make people view me more positively? |
| Why are Reese’s Cups so good? | Not Testable | Do certain flavors activate pleasure responses |
| Why is our galaxy moving? | Not Testable | Does gravity affect galaxy movement?  Use galaxy data to model movement patterns. |
| Why do people watch tv? | Not Testable | Does watching TV improve mood?  Do people watch TV to relax?” |