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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 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? | 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? | Not testable | Grow one plant in sunlight  one in dark  Use fertilizers |
| Does soil type affect plant growth? | Plant same seeds in different soil types and check the growth |  |
| How do kites work? | Not testable | Will the kite fly higher when the wind is stronger  Will the kite fly without wind |
| Does Pepsi have more carbonation than Coke? | Measure CO₂ levels released from equal volumes of both. |  |
| What makes something sink or float? | Not testable | Based on weight  Its material,type |
| Does the saltiness of water affect how fast it freezes? | Freeze water with varying salt levels and check the time |  |
| Does the temperature of the air impact how high a basketball bounces? | Bounce basketballs stored at different temperatures and measure bounce height. |  |
| Can I design a device that attaches my skateboard to my bike? | try to build a device and test if it works safely. |  |
| Does the amount of tv people watch affect their school attendance? | Survey/report data from students on TV time and attendance. |  |
| Can differently scents in the room affect how long people sleep? | Test different scents and note the sleep duration |  |
| When will fossil fuels run out? | Not testable | When it overused |
| How do batteries work? | Not testable | Will a battery produce more voltage when new than when used  Will a battery still work in cold temperature |
| Why is the colour blue calming? | Not testable | Does blue light lower heart rate more than red light  Will people report feeling calmer after sitting in a blue room |
| Does using emojis make people happy? | Survey mood before and after texting with/without emojis. |  |
| Can I solve the problem of my grandfather finding his way to the bathroom at night without turning on a light? | Design and test a motion sensor or glow-in-the-dark path system. |  |
| Does eating school lunch affect how alert people are in their afternoon classes? | Survey or test students’ attention levels with/without lunch. |  |
| Does having plants in a house reduce the carbon dioxide level in the house? | Measure CO₂ levels in rooms with and without plants over time. |  |
| Can I create a backpack/umbrella combination? | Sketch, build, and test a prototype for usability and comfort. |  |
| Why am I awesome? | Not testable | By behaviour  By being kind |
| Why are Reese’s Cups so good? | Not testable | Will more people prefer Reese’s Cups over Snickers in a blind taste test |
| Why is our galaxy moving? | Not testable | Research gravity and expansion |
| Why do people watch tv? | Not testable | For entertainment  timepass |