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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? | No | We have to create many scenarios and environmental changes effects its growth,should be done on lab and may provide inappropriate results than the natural scenarios |
| Does soil type affect plant growth? | Yes | Collect different soils and plant a single type of Breed in each soil |
| How do kites work? | Yes | Wind direction and aerodynamics + weight |
| Does Pepsi have more carbonation than Coke? | Yes | After pouring, weigh the empty cans or bottles again and record the weights the most weighed one has less carbon |
| What makes something sink or float? | Yes | Air keeps the object to float on water if we allow water on the boat it will start to sink . We need to keep away water from halow objects to keep it floating |
| Does the saltiness of water affect how fast it freezes? | Yes | Salt particles interfere with the formation of ice crystals by disrupting the hydrogen bonds between water molecules2. This makes it harder for the water to solidify. |
| Does the temperature of the air impact how high a basketball bounces? | Yes | Test basketball’s bounce height at different air temperatures |
| Can I design a device that attaches my skateboard to my bike? | Yes | 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? | Yes | 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? | Yes | Conduct an experiment where participants sleep in rooms with different scents and record the duration of the sleep |
| When will fossil fuels run out? | No | Prediction that cannot be tested directly |
| How do batteries work? | No |  |
| Why is the colour blue calming? | No | Test the people’s Reaction to blue vs other colours |
| Does using emojis make people happy? | Yes | 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? | Yes | 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? | Yes | 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? | Yes | Measures the CO2 levels in a room with or without plants over a perio |
| Can I create a backpack/umbrella combination? | Yes | Design and builds a prototype of backpacks with an attached a umberlla,and tests its practically |
| Why am I awesome? | No | Subjective and one's opinion |
| Why are Reese’s Cups so good? | No | One’s personal preference |
| Why is our galaxy moving? | No |  |
| Why do people watch tv? | No | What is the most common reason to watch TV |