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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? | Place one plant in sunlight  Place another plant in the dark.  Water one plant daily.  Use nutrient-rich soil for one plant.  place one plant in fresh air. | Does sunlight affect growth?  Does water affect growth?  Does soil affect growth?  Does air affect growth? |
| Does soil type affect plant growth? | Put plant in black soil capture growth where the growth is G1  Put plant in red soil capture growth where the growth is G2  Put plant in dry soil capture growth where the growth is G3  Put plant in glay soil capture growth where the growth is G4  Compare growth G1 & G2 & G3 & G4 |  |
| How do kites work? | Fly a diamond-shaped kite.  Try flying the kite on a windy day.  Try flying the kite on a non windy day. | Does kite is able to fly?  Does the kite fly windy day?  Does the kite fly without wind? |
| Does Pepsi have more carbonation than Coke? | Check carbonation of Pespi p1 for time T1  Check carbonation of coke p2 for time T2  Compare p1 & p2 |  |
| What makes something sink or float? | Drop a metal spoon in water  Drop a small rock into water  Drop a plastic bottle into water | Does it sink or float?  Does it sink or float?  Does it sink or float? |
| Does the saltiness of water affect how fast it freezes? | Take plain water with out salt W1  Take Water with a small amount of salt. W2  Take Water with a large amount of salt. W3  Place all three containers in the freezing at the same time  W1 & W2 & W3 |  |
| Does the temperature of the air impact how high a basketball bounces? | Bounce the basketball from the same height at normal temperature  Bounce the basketball from the same height at cold temperature  Bounce the basketball from the same height at hot temperature  Bounce the basketball from the same height at warm temperature  Compare the bounce of basketball in all the temperature |  |
| Can I design a device that attaches my skateboard to my bike? | Create a base frame to attach skateboard with bike  Add adjustable straps to attach skateboard with bike | Will the base help to attach skateboard with the bike  Will adjustable straps help to attach skateboard with bike |
| Does the amount of tv people watch affect their school attendance? | Check school attendance If amount of watching Tv is normal  Check school attendance If amount of watching Tv is low  Check school attendance If amount of watching Tv is high |  |
| Can differently scents in the room affect how long people sleep? | Place no scent in the room while sleeping and check how long people sleep  Place citrus scent in the room while sleeping and check how long people sleep  Place coffee scent in the room while sleeping and check how long people sleep |  |
| When will fossil fuels run out? | Estimate for oil reserves.  Estimate for natural gas reserves.  Estimate for coal reserves. | estimated number of years where oil will last  estimated number of years where natural gas will last  estimated number of years where coal will last |
| How do batteries work? | Put a battery in a device  Use the battery in a low-power device.  Use the battery in a high-power device. | Does the battery last longer in a device  Does the battery last longer in a low-power  Does the battery last longer in a high-power |
| Why is the colour blue calming? | Expose the individual to blue surroundings | Capture the person's feelings or stress levels after exposure |
| Does using emojis make people happy? | Send a text message without emojis.  Send a text message with emojis.  Send a neutral message | Capture the person's mood or happiness level after reading the message |
| Can I solve the problem of my grandfather finding his way to the bathroom at night without turning on a light? | Not testable | How much Distance from bathroom to room |
| Does eating school lunch affect how alert people are in their afternoon classes? | Testable  Experiment students by feeding them food one day and not feeding food the other day. |  |
| Does having plants in a house reduce the carbon dioxide level in the house? | Testable  H1- home with plants  H2-home without plant  Calculate the co2 level  H1<H2. |  |
| Can I create a backpack/umbrella combination? | Not testable | What type of backpack?  What type of umbrella? |
| Why am I awesome? | Not Testable | Do i have good behaviour?  Do i have a good skills? |
| Why are Reese’s Cups so good? | Testable  C1- break the reese’s cup  C2- break other cup  Reese cup doesn’t break so c1 is good |  |
| Why is our galaxy moving? | Not testable | On which factor it is moving? |
| Why do people watch tv? | Not testable | What is there mood?  Do they watch tv for fun?  Do they watch tv for News? |