**Assignment\_TestableStatements:**

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| **Statement** | **Testable/ Not Testable** | **How to Make it Testable** |
| Do fingers wrinkle faster in hot or cold water? | Testable | Compare wrinkling times in hot and cold water. |
| How do cat's meow? How do cat's meow? | Not Testable | Study the vocalization mechanisms in cats for testable factors. |
| What makes plants grow? | Not Testable | Specify factors like light, water, or soil to measure plant growth |
| Does soil type affect plant growth? | Testable | Measure plant growth using different types of soil. |
| How do kites work? | Not Testable | Define specific factors like wind speed, shape, or material of kites. |
| Does Pepsi have more carbonation than Coke? | Testable | Measure and compare the carbonation levels of Pepsi and Coke. |
| What makes something sink or float? | Not Testable | Specify factors like object density or liquid type. |
| Does the saltiness of water affect how fast it freezes? | Testable | Test different salt concentrations and measure freezing times. |
| Does the temperature of the air impact how high a basketball bounces? | Testable | Measure bounce height at different air temperatures. |
| Can I design a device that attaches my skateboard to my bike? | Testable | Create and test different attachment prototypes. |
| Does the amount of TV people watch affect their school attendance? | Testable | Track TV hours and correlate with school attendance data. |
| Can different scents in the room affect how long people sleep? | Testable | Measure sleep duration with varying scents. |
| When will fossil fuels run out? | Not Testable | Define current consumption rates and resources to estimate depletion. |
| How do batteries work? | Not Testable | Specify battery types and study their chemical processes. |
| Why is the color blue calming? | Not Testable | Test with a control group, measuring stress levels in different colors |
| Does using emojis make people happy? | Testable | Measure emotional responses to using emojis in communication. |
| 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 solutions like motion-activated lights or pathways. |
| Does having plants in a house reduce the carbon dioxide level in the house? | Testable | Measure carbon dioxide levels in rooms with and without plants. |
| Can I create a backpack/umbrella combination? | Testable | Design and test the functionality of such a combination. |
| Why am I awesome? | Not Testable | Define specific criteria to measure "awesomeness." |
| Why are Reese's Cups so good? | Not Testable | Specify sensory factors (taste, texture) for testable aspects. |
| Why is our galaxy moving? | Not Testable | Study astronomical phenomena that contribute to galaxy movement. |
| Why do people watch TV? | Not Testable | Define motives (entertainment, information) and test them. |
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