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| **Statement** | **Testable?** | **How Could You Test It or Make It Testable?** |
| Do fingers wrinkle faster in hot or cold water? | Yes | Try soaking your fingers in hot water and then in cold water. Time how long it takes in each case and compare. |
| How do cats meow? | No | You could observe when cats meow and note what’s happening around them, like sounds, food, or people. |
| What makes plants grow? | No | Break this into testable parts—like testing water, light, or soil to see how each one affects growth. |
| Does soil type affect plant growth? | Yes | Plant the same kind of seed in different soil types and measure their growth over time. |
| How do kites work? | No | You could test how different kite shapes fly in different wind conditions to learn more. |
| Does Pepsi have more carbonation than Coke? | Yes | Use a carbonation tester to measure how fizzy each drink is. |
| What makes something sink or float? | No | You can test individual objects to see if they float, based on their shape or weight. |
| Does salty water freeze slower than regular water? | Yes | Freeze saltwater and freshwater separately and see which one freezes first. |
| Does air temperature affect how high a basketball bounces? | Yes | Bounce the same basketball in rooms at different temperatures and measure the bounce height. |
| Can I make something that connects my skateboard to my bike? | Yes | Build a device, attach it, and try riding it to see how well it works. |
| Does watching TV affect school attendance? | Yes | Track how much TV students watch and how often they miss school, then look for patterns. |
| Do scents in a room change how long people sleep? | Yes | Try different scents in people’s rooms and see if they sleep longer or shorter. |
| When will fossil fuels run out? | No | You can estimate based on usage data, but you can’t run a direct test. |
| How do batteries work? | No | You can test different types of batteries and how they perform in various conditions. |
| Why is the colour blue calming? | No | Try showing different colours to people and measure their stress levels to explore this idea. |
| Do emojis make people happier? | Yes | Ask people how they feel before and after using emojis in a conversation. |
| Can I help my grandpa find the bathroom at night without turning on the lights? | Yes | Build a night-light system and see if it helps him move around safely. |
| Does eating school lunch help students stay alert in the afternoon? | Yes | Compare how alert students are after eating lunch versus when they don’t eat. |
| Do plants in a room lower carbon dioxide level? | Yes | Measure CO₂ in a room with and without plants over time. |
| Can I make a backpack with an umbrella built in? | Yes | Create a sample design and test if it works in rain and is easy to carry. |
| Why am I awesome? | No | You could ask people what they like about you or what makes someone "awesome." |
| Why are Reese’s Cups so good? | No | Run a taste test and ask people what they enjoy most about them. |
| Why is our galaxy moving? | No | This is something scientists study using telescopes and space data, but you can’t test it yourself. |
| Why do people watch TV? | No | You could survey people and ask why they watch TV—like for fun, news, or learning. |