5 Practice Scenarios

**For each scenario, please develop a scientific question (Q) and suggest a possible hypothesis (H)**

1. Mrs. Corse-Scott just bought her dream car, a sleek black Lamborghini. Unfortunately, as she was driving around, she was caught in a rain storm. After the storm has passed, Mrs. Corse-Scott notices that her car has more water spots on it then the white Porsche.

Q:

H:

1. Susan loves mountain climbing to high peaks. During a recent expedition to Everest, she noticed that there was a large amount of fossils near base camp (ie. base of the mountain).

Q:

H:

1. Jackie loves being outside and being healthy by using natural ingredients however she knows she needs to wear the white, yucky sunscreen to protect her skin. Only just last night, Jackie read that an aquatic bacteria can potentially provide a “natural” sunscreen.

Q:

H:

1. An architecture student, living in 10-story apartment complex, is interested in comparing his very expensive AC power bill to that of his parent’s who live in a single story house.

Q:

H:

1. [This one is a tougher one…enjoy!] In chemistry class, Allen determined the effectiveness of acids to break down calcium. Several weeks later, Allen read that dentists are noticing more tooth decay among teenagers who drink soda.

Q:

H: