What is Science?

Explain the relationship between asking questions and science.

There are many different branches of science. No matter what you want to do in your life there is a branch of science you could go into! (write down some examples of different branches of science)

What is the Nature of Science?

Goals of Science!

1. Explain the world around us by…
2. Explain how the world and universe work
3. Does NOT explain why we are here.

Aspects of the Nature of Science – (add in what information you feel is important for each of the following)

1. Evidence-
2. Creativity-
   1. Imagination
   2. Ability to Infer
3. Embedded in the culture-
4. Mistakes and Peer review-
   1. Explain why making mistakes is such an important part of science!
5. Tentative-
6. Predictions-
   1. What are some examples of predictions that science tries to make?
7. Scientific Theories-
8. Human Endeavor-

Humans have a large influence on how science is done due to our basic Human nature. How do each of these human characteristics affect how science is done.

1. Bias
2. Morals/Ethics
3. Egotism
4. Competition
5. Pre-existing ideas

One of the most important concepts to understand about science is the fact that science can change over time.

What reasons would cause a science concept to change?

Explain why this is a good thing when it comes to human development and advancement.