Nature of Science Introduction

What is SCIENCE? Complete this section using the class notes.

Science is both a body of _______________ and the _______________ and _______________ used to add to that body of knowledge. It is a way of knowing used by many _______________, not just _______________.

Science knowledge is _______________ and many people, from many generations and nations, have contributed to the refinement of, and changes to, _______________, _______________, and _______________ over time.

Science investigations do not follow just ____ specific scientific method. There are _______ methods to learning about the world around us. The _______ we follow and the _______ in which we complete them depends on what we are investigating.

Branches of Science: Watch the "Main Branches of Science" on EDPuzzle. Use the terms to fill in the blanks in the chart below. Answer the quiz questions during the video.

**“Ologies” Challenge** – Use the link provided by your teacher to try the MATCH game on Quizlet! What is your best time?
Nature of Science Introduction

What is SCIENCE? Complete this section using the class notes.

Science is both a body of KNOWLEDGE and the PROCESSES and PRACTICES used to add to that body of knowledge. It is a way of knowing used by many PEOPLE, not just SCIENTISTS.

Science knowledge is CUMULATIVE and many people, from many generations and nations, have contributed to the refinement of, and changes to, THEORIES, IDEAS, and BELIEFS over time.

Science investigations do not follow just ONE specific scientific method. There are MANY methods to learning about the world around us. The STEPS we follow and the ORDER in which we complete them depends on what we are investigating.

Branches of Science: Watch the "Main Branches of Science" on EDPuzzle. Use the terms to fill in the blanks in the chart below. Answer the quiz questions during the video.

**PHYSICAL**
science involves studying matter to determine what is happening physically.
- **Physics**
  is the study of matter in the perspective of energy and motion.
- **Chemistry**
  is the study of matter at the chemical level.
- **Astronomy**
  is the study of space involving both chemistry and physics.

**LIFE**
siences, which can also be called BIOLOGY, explore living things on Earth.
- **Botany**
  is the study of the plant kingdom.
- **Zoology**
  is the study of the animal kingdom.
- **Genetics**
  studies genes and heredity.

**EARTH**
siences involves studying our planet & its resources.
- **Geology**
  examines the structure of the earth to study its history.
- **Paleontology**
  studies life in the past, such as studying dinosaur fossils.
- **Meteorology**
  is the study of weather, with a strong focus on predicting how weather will occur.
- **Oceanography**
  is the study of oceans, it's chemistry, and the living things found there.