Earth Science: Lightning!

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block \_\_\_\_

Go to: <http://www.srh.noaa.gov/jetstream/lightning/lightning_intro.htm>

Answer the questions and follow through the pages as listed below.

There can be as many as \_\_\_\_\_\_\_\_\_\_\_\_\_\_ thunderstorms happening around the World at any one time.

It’s estimated there are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ storms each year.

Click: How Lightning Is Created

How do scientists theorize lightning is created?

Draw 3 detailed pictures of the 3 steps to how a lightning strike forms:

Click: The Positive and Negative Side of Lightning

Most lightning is “negative”, but there is also lightning that is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. In fact, it makes up \_\_\_\_\_\_ percent of strikes.

What are the properties of this type of lightning?

Click: The Sound of Thunder

Lightning can be as hot as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ degrees.

Draw 4 detailed pictures showing the 4 steps to thunder:

Click: Lightning Safety

Where to go when it’s lightning:

Where NOT to go: