

## CAN YOU DIG IT!? FOSSIL LAB



NAME \_\_\_\_\_

### Station #1:

A. Identify \_\_\_\_\_

B. Draw Specimen

C. A modern day relative would be \_\_\_\_\_

D. Were these ocean or land dwelling creatures? \_\_\_\_\_

E. What modern phylum do they belong to? \_\_\_\_\_

### Station #2:

A. Identify \_\_\_\_\_

B. Draw Specimen

C. Were these creatures carnivores or herbivores? \_\_\_\_\_

D. These creatures are the index fossil of what geologic time? \_\_\_\_\_

E. A modern relative would be? \_\_\_\_\_

F. What phylum do these belong to? \_\_\_\_\_

G. What was their common defense mechanism? \_\_\_\_\_

### Station #3:

A. Identify \_\_\_\_\_

B. Draw specimen

C. Is this plant or animal? \_\_\_\_\_

D. This is an easily recognizable species of this organism. What is the specific species? \_\_\_\_\_

E. Did this come from Paleozoic or Mesozoic rock strata? \_\_\_\_\_

Station #4:

A. Identify \_\_\_\_\_

B. Draw specimen

C. Is this composed of prokaryotic or eukaryotic organisms? \_\_\_\_\_

D. Did this come from Precambrian or Paleozoic rock strata? \_\_\_\_\_

E. Why were these organisms so important to evolution of life on Earth? \_\_\_\_\_

Station #5:

A. Identify \_\_\_\_\_

B. Draw specimen

C. What phylum does this critter represent? \_\_\_\_\_

D. During what period were these organisms the most abundant, making them a great guide fossil for that period? \_\_\_\_\_

E. Compared to most modern cousins of this organism, what makes this one special? (It does have a modern day relative that can be found near the Hawaiian Islands.) \_\_\_\_\_

\*Other:

A. Pearly Ammonites had hard shells made of \_\_\_\_\_

B. Belemnite Cephalopods have this nickname \_\_\_\_\_

C. What is the common name for Eurypterids? \_\_\_\_\_

D. The long-neck swimming reptiles (like Nessie) are called? \_\_\_\_\_

E. In what year was a Coelacanth found? \_\_\_\_\_

**Station #6:**

A. Identify \_\_\_\_\_

B. Draw specimen

C. Is this the "remains" of a plant or animal? \_\_\_\_\_

D. Are these critters still around today? \_\_\_\_\_

E. In what "Era" of rock strata would you most likely look for these fossils? \_\_\_\_\_

F. These probably were very similar to what modern day organisms? \_\_\_\_\_

**Station #7:**

A. Identify \_\_\_\_\_

B. Draw specimen

C. What did these critters eat? \_\_\_\_\_

D. What phylum do these belong to? \_\_\_\_\_

E. If you found these fossils, what others might you find associated with them? \_\_\_\_\_

F. Would you likely find these in Cambrian period age rock strata? \_\_\_\_\_

G. What is the "scientific name" for these animals? \_\_\_\_\_

**Station#8:**

A. Identify\_\_\_\_\_

B. Draw specimen

C. Most fossil species of this animal can be found in which Paleozoic period rock strata?\_\_\_\_\_

D. What is the top of this critter called? (Which is rarely found attached?)\_\_\_\_\_

E. These are echinoderms. Name a modern day relative.\_\_\_\_\_

**Station #9:**

A. Identify\_\_\_\_\_

B. Draw specimen

C. Give a "period" range that you would find those similar to this organism?\_\_\_\_\_

**Station #10:**

A. Identify\_\_\_\_\_

B. Draw specimen

C. Is this a cast or a mold?\_\_\_\_\_

**Station #11:**

A. Identify\_\_\_\_\_

B. Draw specimens

**Station #12:**

A. Identify\_\_\_\_\_

B. Draw specimen

C. What Era of rock strata did this likely come from?\_\_\_\_\_

**Station #13: (pg 151 in guide books)**

A. Identify\_\_\_\_\_

B. Draw specimen

C. What phylum do they belong to?\_\_\_\_\_

D. Were these carnivores or herbivores?\_\_\_\_\_

E. What is special about these guys? (Hint: look in "notes")\_\_\_\_\_

F. These are the index fossils of the?\_\_\_\_\_

**Station #14:**

A. Identify\_\_\_\_\_

B. Draw specimen

C. This critter is a close cousin to what other in this lab?\_\_\_\_\_

D. These and their cousins are commonly called the "\_\_\_\_\_-animals?"

E. What age of rock strata would you likely find these?\_\_\_\_\_

