



These activities will help you explore *GIANTS* and the plants and bones around you. All you need are: *a map of the exhibit and very sharp eyes*

▶ 1. Palm House, "Growing"

1 *Jobaria* the Giant

Jobaria is a sauropod dinosaur that lived exclusively on Africa 135 million years ago. Sauropods are long-necked, four-legged, plant-eating dinosaurs. Sauropods lived on every continent during the Mesozoic era (230-65 million years ago) and lived for more than 100 million years. Sauropods were enormous plant eaters -but they are very different from today's elephants, the largest plant-eater alive today.

Look carefully at *Jobaria's* toes.
How many toes does it have on one foot?

▶ 2. Fern Room, "Lost World"

5 6 *Afrovenator* and Fern Fronds

Plants that were alive and common during the dinosaur era are growing in this room! Ferns are one kind of ancient plant.

Look at the predatory dinosaur *Afrovenator* 5 "Fern Fronds" 6 were built using *Afrovenator* hands and positioned to mimic an unfurling fern

Walk through the fern room and find a fern with a curled frond. Sketch it here and label it with its scientific name.



► 3. Show House, "Transformation"

10 11 *Deltadromeus* & Human

Humans and dinosaurs did NOT live at the same time, but for just about every bone in the human skeleton there is a match on a dinosaur skeleton. All vertebrates (all animals with backbones) are built based on the same body plan: a skull, backbone, shoulder girdle, pelvic girdle and four limbs. And the limbs all have the same structure: one bone connects to two bones, which connect to _____ many bones.

Count the fingers on *Deltadromeus*' toes.
Which dinosaur has the same number of toes as YOU - *Jobaria* or *Deltadromeus*?

► 4. Aroid House, "Fishing"

17 18 Pterosaur model and *Suchomimus*

The teeth of plant eaters tend to be leaf-shaped and positioned tightly next to each other in the jaws. The teeth of meat eaters are sharp and curved. The teeth of specialized fish-eaters are slender and longest at the front of the jaws for snagging fish.

Look for *Suchomimus* 18 lurking behind you. Is *Suchomimus* a plant-eater, a meat-eater or a specialized fish eater?

► 5. Sweet House, "Finding"

27 *Carcharodontosaurus* Jaw

Skulls - including yours - are made up of lots of bones. The largest jaw bone is called the maxilla. Your maxilla has six teeth. The bone in this case is the original fossil maxilla of *Carcharodontosaurus*.

How many teeth does *Carcharodontosaurus* have in its maxilla?

T-rex has 12 teeth in its maxilla. Which animal has more?

Carcharodontosaurus or *T-rex*