

Mining for Minerals

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Earth Sciences Gallery 4-8

ANSWER GUIDE

The earth is approximately 6440 km thick.



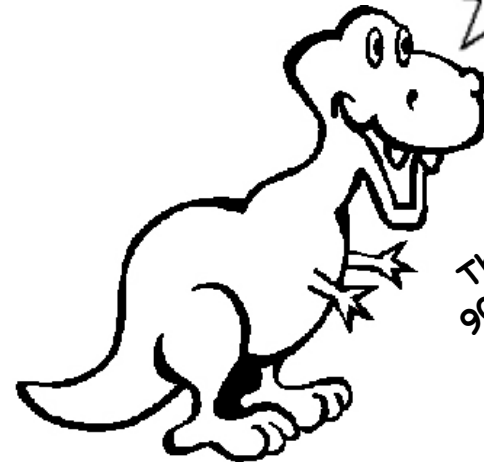
A new species of dinosaur is found approximately once a month.

A Brontothere's brain was about the size of a human fist.

The last period of glaciation, called the Wisconsin, lasted over 60,000 years.

Scotty, the Tyrannosaurus rex found in Eastend, Saskatchewan, is over 70% complete.

That's incredible!



The Triceratops skull in the Gallery is a cast of the real skull. The original fossilized skull had to be replaced by the cast because people were rubbing the horn too much and wearing down the fossil.

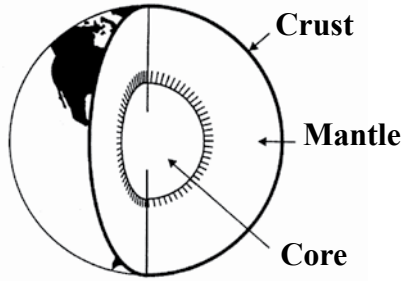
There are over 900 known species of dinosaurs.



Ministry of Tourism, Parks, Culture and Sport

Royal Saskatchewan Museum

1) Label the core, mantle, and crust on the globe.



2) In the Precambrian era, what were the only land forms rising out of Saskatchewan's sea. **Volcanoes**

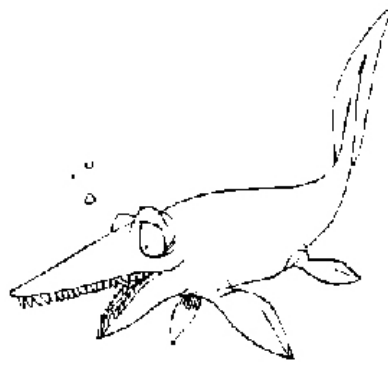
3) Name 3 fossils you see in the Tyndall stone wall that are also found in the *Life of the Ancient Sea* display. **Nautiloid, Horn Coral, Stromatolites (Blue-green algae), Sunflower Coral.**

4) A renewable resource is a resource which can renew itself after it has been used; a non-renewable resource cannot regenerate itself after it is gone. Are oil and gas renewable or non-renewable resources?

Non-renewable resources

5) Would a real dinosaur bone be heavier than a fossilized bone?

No



6) Paleontologists sometimes name dinosaurs for the place where they were found. What duck-billed dinosaur on display is named for a Canadian city?

Edmontosaurus

7) What are coprolites? **Fossilized Poop**

8) Fill in the blanks. (Hint: Found at *Early Meadows*)

Open woodland with **larger meadows** formed in the early **Oligocene**, 37 million years ago. Cool winters and rainy springs encouraged the **thinning** of ancient forests.

9) What is the Brontothere a distant relative of?

Horse, Rhinoceros, and Tapir

10) What mineral replaced the original material of the tree stump found in the gallery? **Quartz**

11) Where did the ancestors of the North American Mastodons come from? **Asia**

12) Three animals in the *Grassland Plains* display are similar to what animals found upstairs in the *Life Sciences Gallery*? **Wolf, Pronghorn, and Elk**

13) How many glaciers have covered Saskatchewan in the past 2 million years?

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