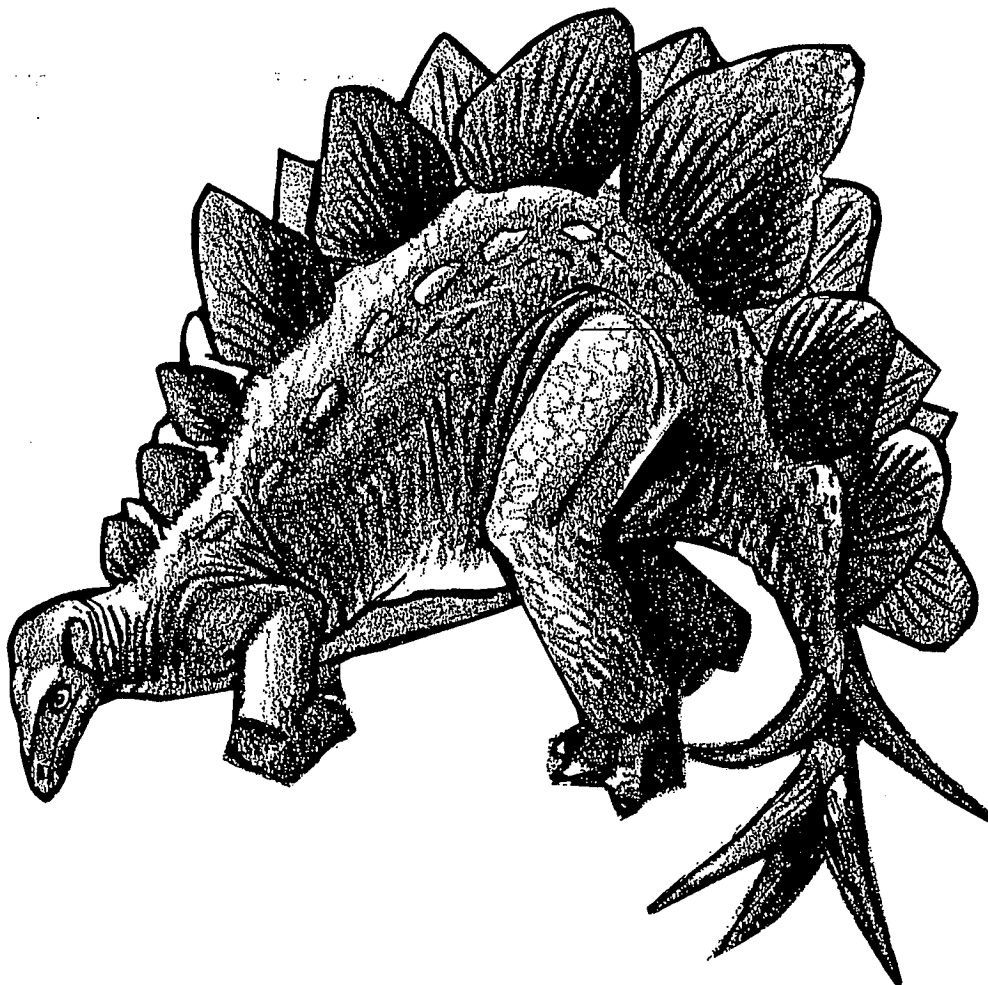


## PROBLEM SOLVING ACTIVITY: DINOSAUR POWER



**BACKGROUND:** Stegosaurus was an herbivorous dinosaur that roamed the Earth about 150 million years ago. Along its back it had a set of about 20 plates of various sizes and shapes. The purpose of these plates has long been a mystery to paleontologists and other scientists who study the Earth's past life forms.

**TASK:** Some Scientists believe that Stegosaurus used solar energy in an unusual way. Using the picture above to help you write a hypothesis describing how you think Stegosaurus used a part of its body to absorb solar energy. Be as detailed as possible and include drawings to help explain your idea.