

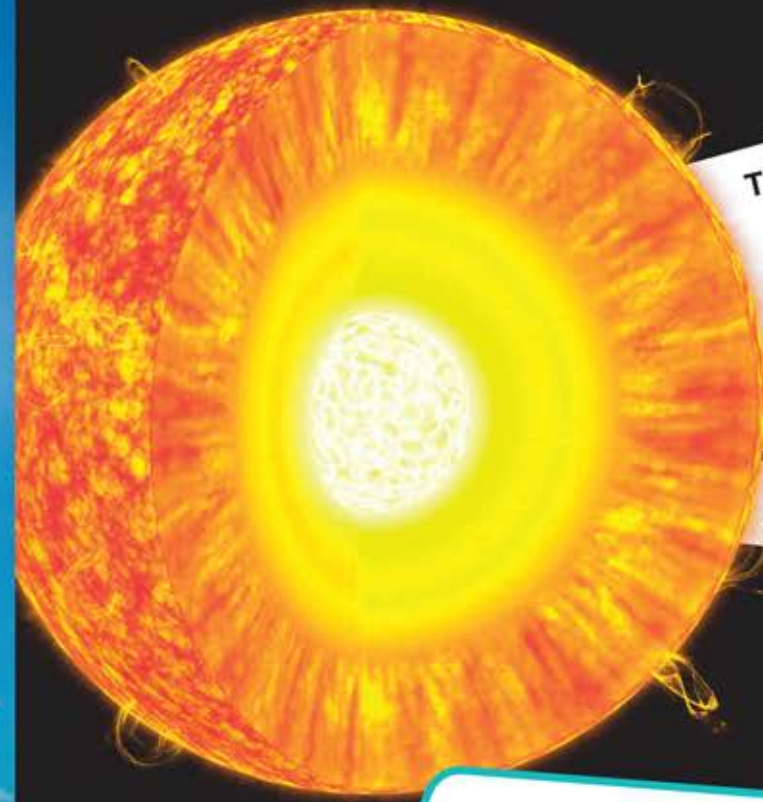
THE SUN

The sun is a **STAR**—a huge ball of **INCREDIBLY HOT GAS!**

The sun provides **LIGHT** and **HEAT** to **EARTH** and all other planets in our solar system.

Without the sun, there would be no **LIFE ON EARTH.**

The sun is the **LARGEST** object in the solar system. **ONE MILLION EARTHS** could fit inside it.



TEMPERATURES REACH **27 MILLION °F** IN THE **CORE** (CENTER) OF THE SUN, THE **HOTTEST PART.**

You've got to be kitten me!



REFLECTION

When **LIGHT RAYS** hit an object, they are **ABSORBED** or **REFLECTED**.

DARK OBJECTS absorb almost all light. **NO REFLECTION** can be seen.

SMOOTH, SHINY OBJECTS reflect almost all light. The reflection is **VERY CLEAR**.

Mirror, mirror on the wall, who's the furriest of them all?



LIGHT RAYS CAN BEND WHEN THEY MOVE FROM ONE MATERIAL TO ANOTHER. THAT'S WHY IT LOOKS LIKE THE TOP OF THE PENCIL IS IN A DIFFERENT POSITION FROM THE BOTTOM.



ANIMAL HEARING

Some **ANIMALS** have much **BETTER HEARING** than **HUMANS DO!**

Animals such as cats and dogs can hear **MUCH HIGHER SOUNDS** than humans can.

Their **LARGE, CURVED EARS** help them pick up quiet sounds.

Too close!

Animals move their ears toward a sound so they can hear it better.

A **CRICKET'S EARS** ARE ON ITS **FRONT LEGS!**



PLANTS

PLANTS are **LIVING THINGS**,
like animals and humans!

Can you spot
the im-puss-ter?



Plants come in many shapes and sizes, from **TINY FLOWERS** to **HUGE TREES**. They can be divided into two groups—**FLOWERING** and **NONFLOWERING**. Most plants have flowers (see pages 92-95).

Most plants live in **SOIL** on **LAND**. Some plants, such as sea grasses, live **IN WATER**.

