



NAME: _____

PERIOD: _____

OUR STAR: THE SUN

DIRECTIONS: Your task is to create a diagram of the sun. Use section 2.2 (pp. 43-47) from your book to help you. This diagram may be constructed of construction paper or a colored diagram on white paper. You may *not* print an image from a computer. Your diagram should include parts 1-9 outlined below *with labels*. Your neatness, creativity, and accuracy will also be assessed. Have Fun!

	Points Earned	Points Possible
1. Core		1
2. Radiative Zone		1
3. Convective Zone		1
4. Photosphere		1
5. Chromosphere		1
6. Corona		1
7. Sunspot		1
8. Solar Flare		1
9. Prominence		1
10. Accuracy		2
11. Neatness		2
12. Creativity		2
TOTAL		15



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WHY DOES THE SUN SHINE?

© THEY MIGHT BE GIANTS

The sun is a mass of incandescent gas
A gigantic nuclear furnace
Where Hydrogen is built into Helium
At a temperature of millions of degrees

Yo ho it's hot, the sun is not
A place where we could live
But here on Earth there'd be no life
Without the light it gives

We need its light, we need its heat,
we need its energy
Without the sun, without a doubt,
there'd be no you and me

The sun is a mass of incandescent gas
A gigantic nuclear furnace
Where Hydrogen is built into Helium
At a temperature of millions of degrees

The sun is hot...

The sun is so hot that everything on it is a gas
Aluminum, Copper, Iron, and many others

The sun is large...

If the sun were hollow, a million Earth's would fit inside.
And yet, it is only a middle-sized star
The sun is far away...

About 93,000,000 miles away
And that's why it looks so small

And even when it's out of sight
The sun shines night and day

The sun gives heat, the sun gives light
The sunlight that we see
The sunlight comes from our own sun's
Atomic energy

Scientists have found that the sun is a huge atom
smashing machine
The heat and light of the sun are caused by nuclear
reactions between
Hydrogen, Nitrogen, Carbon, and Helium

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