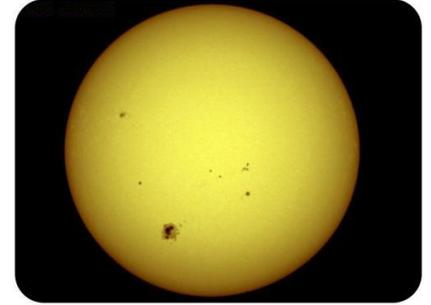


24.3 Reading Questions: The Sun

<http://www.ck12.org/book/CK-12-Earth-Science-For-High-School/section/24.3/>

Introduction

1. What is the largest object in our Solar System?
2. How much of the mass in the solar system does the sun account for?
3. Why is the Sun important to life on Earth?



Layers of the Sun

4. Which 2 main elements make up the Sun?
5. The Sun is made of plasma. Define **plasma**.

Internal Structure

6. **Diagram of the Internal Structure of the Sun** Draw, Label, and Color beautifully.

7. What is **nuclear fusion**?
8. Where does nuclear fusion occur?
9. What occurs in the convection zone?
10. Watch the 2 videos in Google Classroom. **Use the Google Classroom link** - not the text.

Video 1 :

Two things I learned from watching this video are

1. _____
2. _____
-

Video 2: Two things I learned from watching this video are

1. _____

2. _____

The Outer Layers

11. List in order the 3 layers make up the Sun's atmosphere and outer layers?

12. **Surface Features:** Draw and describe each surface feature in the table below. Color beautifully.

Drawing	Surface Feature	Description
	Sunspot	
	Solar Flare	
	Solar Prominence	

Lesson Summary:

- The mass of the Sun is _____ of the mass of our solar system.
- The Sun is mostly made of _____ with smaller amounts of _____ in the form of _____.
- The main part of the Sun has three layers: the _____, _____, and _____.
- The Sun's _____ also has _____ layers: the photosphere, the chromosphere, and the corona.
- _____ of hydrogen in the _____ of the Sun produces tremendous amounts of _____ that radiate out from the Sun.
- Some features of the Sun's _____ include _____, _____ and _____.

