

**Activity:** Comparing Metals to nonmetals

**Purpose:**

To find and explain differences between metals and nonmetals.

**Materials:**

DTE CD-ROM, Computer with CD-ROM drive.



**Note:** Cesium (Cs) is one of the most active metals, and Fluorine (F) is the most active nonmetal.

**Procedure:**

1. Find Cesium (Cs) on the Periodic Table. Go to the *Overview* area of Cesium in *Discover the Elements*.
2. In the table provided below record some of its key properties from the *Overview*, *Uses*, *Basic Info* and *Advanced Info* sections.
3. Repeat steps 1 and 2 for the element Fluorine (F).

**Data:**

	Cesium	Fluorine
<b>Overview</b>		
Appearance		
<b>Uses</b>		
Use 1		
Use 2		
<b>Basic Info</b>		
Hazards		
Extras		
<b>Advanced Info</b>		
First Ionization Potential		
Oxidation State		

**Data Analysis and Conclusion:**

From the data you collected what are three differences between Cesium and Fluorine that help explain why Cesium is an active metal and Fluorine is active nonmetal.