

## Programming:

In this assignment you will be finishing the methods in the SurgeProtector.java file. The SurgeProtector that we are going to be modeling has room for up to 20 ElectronicDevices. There are several sub-classes of ElectronicDevices, such as TV's and CellPhone's as shown in the figure below. Several methods in the SurgeProtector.java file require you to know the class of an object. Remember, you can find out the class of an object by using the instanceof keyword. For example, if you have an ElectronicDevice called e, you can write an if statement to determine the subclass of e as follows:

```
if (e instanceof CellPhone){  
    //More code here  
}
```

More information can be found in the SurgeProtector.java file.

You should use the SurgeProtectorGrader.java file to grade your finished product.

