

# The Electromagnetic Spectrum

Name \_\_\_\_\_

Go to the web site [www.darvill.clara.net/emag](http://www.darvill.clara.net/emag)

<< TIP >>: look out for the **RED** words on the web site!

1. Click on “**How the waves fit into the spectrum**” and fill in this table:

Low _____, Long wavelength						High frequency, Short _____
Radio Waves						Gamma rays

2. Click on “**Radio waves**”. They are used for \_\_\_\_\_
3. Click on “**Microwaves**”. They are used for **cooking**, **mobile** \_\_\_\_\_, \_\_\_\_\_ **cameras** and \_\_\_\_\_.
4. Click on “**Infra-red**”. These waves are given off by \_\_\_\_\_ \_\_\_\_\_ . They are used for **remote controls**, cameras in **police** \_\_\_\_\_ , and **alarm systems**.
5. Click on “**Visible Light**”. This is used in \_\_\_\_\_ **players** and \_\_\_\_\_ **printers**, and for seeing where we’re going.
6. “**UV**” stands for “ \_\_\_\_\_ \_\_\_\_\_ ”. This can damage the \_\_\_\_\_ in your eyes, and cause sunburn and even \_\_\_\_\_ cancer. Its uses include detecting forged \_\_\_\_\_ \_\_\_\_\_ .
7. **X-rays** are used to see inside people, and for \_\_\_\_\_ security.
8. **Gamma rays** are given off by some \_\_\_\_\_ substances. We can use them to kill \_\_\_\_\_ cells, which is called **R** \_\_\_\_\_ .