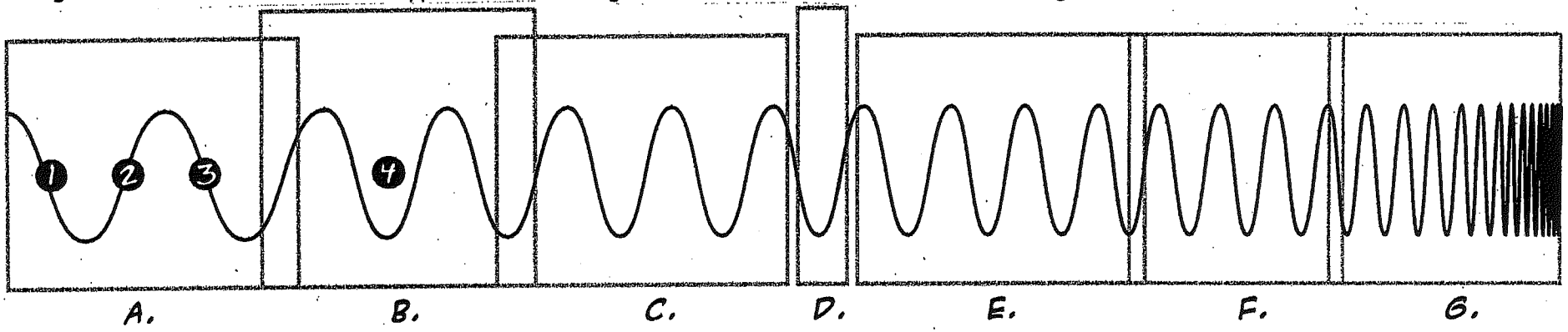
Name _____

Date _____ Block ____

# Electromagnetic Radiation

The diagram below shows the various types of electromagnetic radiation as it relates to wavelength.




1. Name the types of electromagnetic radiation at:

   a) Site A _____

   b) Site C _____

   c) Site F _____

   d) Site A2 _____

   e) Site B4 _____

2. Which site (A - g) matches the following types of electromagnetic radiation?

   a) yellow visible light _____

   b) radar _____

   c) TV waves _____

Name _____

Date _____ Block ____

3. Rank the following ***from highest frequency to lowest.***

Microwave, infrared wave, FM radio wave, yellow visible light, gamma wave, AM radio wave, Blue visible light, TV wave

_____, _____, _____, _____, _____,

_____, _____, _____

4. Name the type of electromagnetic radiation associated with the following;

a) used by doctors to see internal organs & bones _____

b) used in heat sensing devices _____

c) used to track the positions of planes & cars _____

d) used in therapy to destroy cancer cells _____

e) used in TV remote controls _____

f) used in telecommunications _____

g) used to sterilize bacteria on food & medical supplies _____

h) used in magnetic resonance imaging (MRI) _____

i) used to forecast weather _____

j) used in airports to screen luggage _____