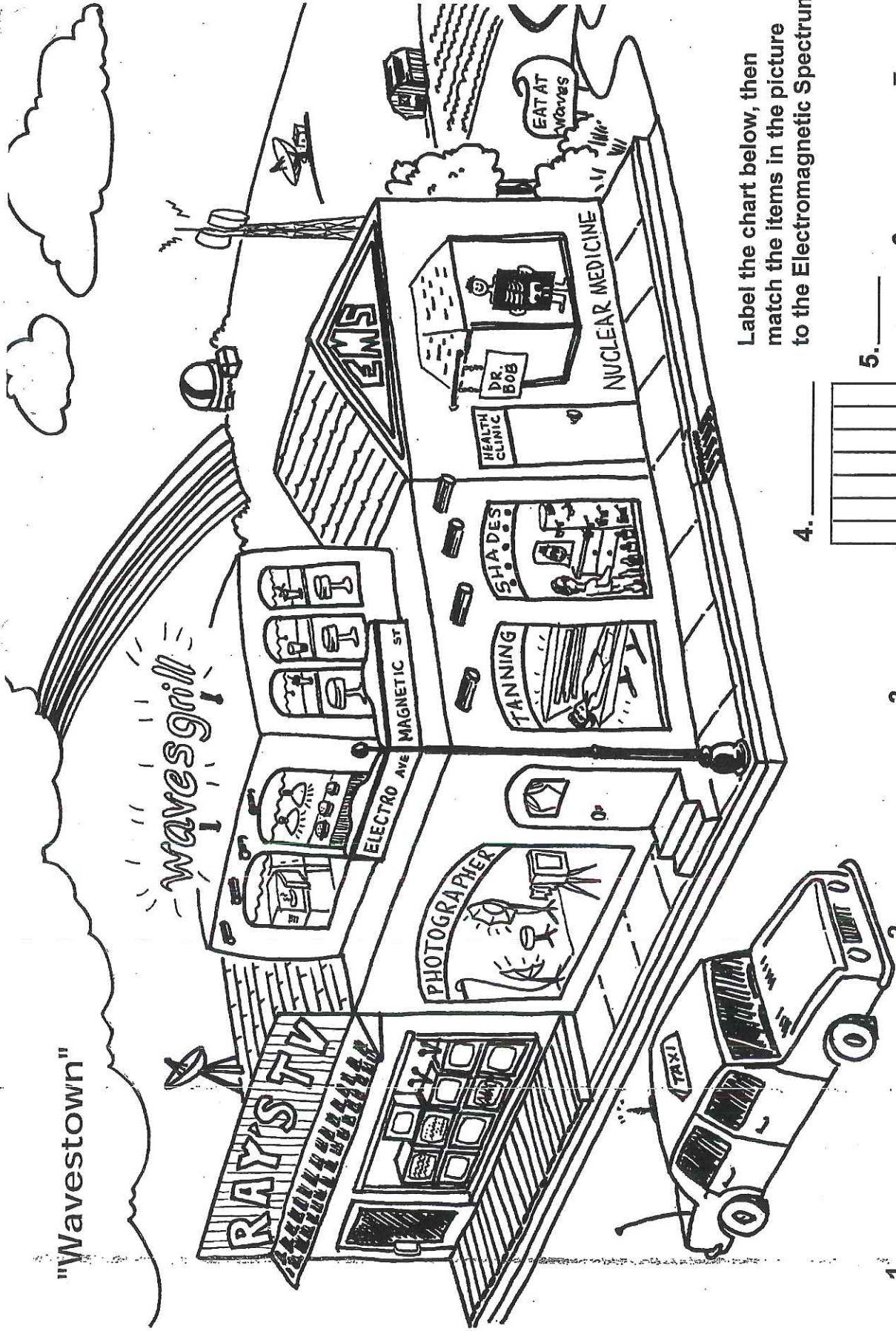


"Wavestown"



Label the chart below, then match the items in the picture to the Electromagnetic Spectrum.

4. _____



5. _____

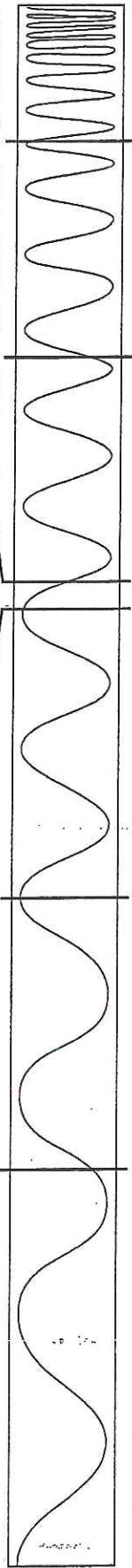
6. _____

7. _____

2. _____

3. _____

1. _____



300m 30m 3cm 30cm 300µm 3µm 30µm 3nm 30nm 0.3µm 0.03nm 0.003nm

After filling in each blank at the bottom of the illustration, complete the following outline by identifying the specific examples of each type of light (EM energy) that you discover.

1) _____

- a) _____
- b) _____
- c) _____

2) _____

- a) _____
- b) _____
- c) _____

3) _____

- a) _____
- b) _____
- c) _____

4) _____

- a) _____
- b) _____
- c) _____

5) _____

- a) _____
- b) _____
- c) _____

6) _____

- a) _____
- b) _____

7) _____

- a) _____
- b) _____

Identify and explain an example of each of the six wave behaviors that you see in the illustration.

1. Reflection -

2. Refraction -

3. Diffraction -

4. Absorption -

5. Emitting -

6. Transmission -
