

Group 1: Radio waves.

Your group will give a 5 minute presentation to the class on RADIO WAVES. You will have an hour to research and prepare your poster.

You need to include:

1. A Title that relates to the topic you're trying to express. (10 points)
2. The frequency range your topic covers. (10 points)
3. A list in which these waves are used in medicine and/or industry. (10 points)
4. A brief history on how this part of the spectrum was discovered. (10 points)
5. Health concerns about your part of the spectrum. (10 points)
6. Pick one special application in medicine or industry in which these waves are used and describe how it works in detail. (10 points)
7. Pictures/drawings to help explain. (10 points)
8. Define team member responsibilities. (10 points)
9. Present your area of research. (20 points)

Sources you may start with:

http://en.wikipedia.org/wiki/Radio_wave

Team Member

Responsibility

	Frequency range, List of applications, researcher and presenter.
	History researcher and presenter
	Medicine and/or industry applications researcher and presenter. (Pick an interesting application and talk about it in detail)
	Health Concerns researcher and presenter.

Group 2: Infrared waves.

Your group will give a 5 minute presentation to the class on INFRARED WAVES. You will have an hour to research and prepare your poster.

You must include

1. A Title that relates to the topic you're trying to express. (10 points)
2. The frequency range your topic covers. (10 points)
3. A list in which these waves are used in medicine and/or industry. (10 points)
4. A brief history on how this part of the spectrum was discovered. (10 points)
5. Health concerns about your part of the spectrum. (10 points)
6. Pick one special application in medicine or industry in which these waves are used and describe how it works in detail. (10 points)
7. Pictures/drawings to help explain. (10 points)
8. Define team member responsibilities. (10 points)
9. Present your area of research. (20 points)

Sources you may start with:

<http://en.wikipedia.org/wiki/Infrared>

Team Member	Responsibility
	Frequency range, List of applications, researcher and presenter.
	History researcher and presenter
	Medicine and/or industry applications researcher and presenter. (Pick an interesting application and talk about it in detail)
	Health Concerns researcher and presenter.

Group 3: Visible light waves.

Your group will give a 5 minute presentation to the class on VISIBLE LIGHT WAVES. You will have an hour to research and prepare your poster.

You must include

1. A Title that relates to the topic you're trying to express. (10 points)
2. The frequency range your topic covers. (10 points)
3. A list in which these waves are used in medicine and/or industry. (10 points)
4. A brief history on how this part of the spectrum was discovered. (10 points)
5. Health concerns about your part of the spectrum. (10 points)
6. Pick one special application in medicine or industry in which these waves are used and describe how it works in detail. (10 points)
7. Pictures/drawings to help explain. (10 points)
8. Define team member responsibilities. (10 points)
9. Present your area of research. (20 points)

Sources you may start with:

http://en.wikipedia.org/wiki/Visible_light_spectrum

Team Member

Responsibility

	Frequency range, List of applications, researcher and presenter.
	History researcher and presenter
	Medicine and/or industry applications researcher and presenter. (Pick an interesting application and talk about it in detail)
	Health Concerns researcher and presenter.

Group 4: Ultraviolet waves.

Your group will give a 15 minute presentation to the class on ULTRAVIOLET WAVES. You will have an hour to research and prepare your poster.

You must include

1. A Title that relates to the topic you're trying to express. (10 points)
2. The frequency range your topic covers. (10 points)
3. A list in which these waves are used in medicine and/or industry. (10 points)
4. A brief history on how this part of the spectrum was discovered. (10 points)
5. Health concerns about your part of the spectrum. (10 points)
6. Pick one special application in medicine or industry in which these waves are used and describe how it works in detail. (10 points)
7. Pictures/drawings to help explain. (10 points)
8. Define team member responsibilities. (10 points)
9. Present your area of research. (20 points)

Sources you may start with:

<http://en.wikipedia.org/wiki/Ultraviolet>

Team Member

Responsibility

	Frequency range, List of applications, researcher and presenter.
	History researcher and presenter
	Medicine and/or industry applications researcher and presenter. (Pick an interesting application and talk about it in detail)
	Health Concerns researcher and presenter.

Group 5: X-RAY.

Your group will give a 15 minute presentation to the class on X-RAY. You will have an hour to research and prepare your poster.

You must include

1. A Title that relates to the topic you're trying to express. (10 points)
2. The frequency range your topic covers. (10 points)
3. A list in which these waves are used in medicine and/or industry. (10 points)
4. A brief history on how this part of the spectrum was discovered. (10 points)
5. Health concerns about your part of the spectrum. (10 points)
6. Pick one special application in medicine or industry in which these waves are used and describe how it works in detail. (10 points)
7. Pictures/drawings to help explain. (10 points)
8. Define team member responsibilities. (10 points)
9. Present your area of research. (20 points)

Sources you may start with:

<http://en.wikipedia.org/wiki/Xray>.

Team Member

Responsibility

	Frequency range, List of applications, researcher and presenter.
	History researcher and presenter
	Medicine and/or industry applications researcher and presenter. (Pick an interesting application and talk about it in detail)
	Health Concerns researcher and presenter.

Group 6: Gamma RAY.

Your group will give a 15 minute presentation to the class on GAMMA-RAY's. You will have an hour to research and prepare your poster.

You must include

1. A Title that relates to the topic you're trying to express. (10 points)
2. The frequency range your topic covers. (10 points)
3. A list in which these waves are used in medicine and/or industry. (10 points)
4. A brief history on how this part of the spectrum was discovered. (10 points)
5. Health concerns about your part of the spectrum. (10 points)
6. Pick one special application in medicine or industry in which these waves are used and describe how it works in detail. (10 points)
7. Pictures/drawings to help explain. (10 points)
8. Define team member responsibilities. (10 points)
9. Present your area of research. (20 points)

Sources you may start with:

http://en.wikipedia.org/wiki/Gamma_ray

Team Member

Responsibility

	Frequency range, List of applications, researcher and presenter.
	History researcher and presenter
	Medicine and/or industry applications researcher and presenter. (Pick an interesting application and talk about it in detail)
	Health Concerns researcher and presenter.

Group 7: Microwaves.

Your group will give a 5 minute presentation to the class on MICROWAVES (The band of frequencies, not the appliance). You will have an hour to research and prepare your poster.

You must include

1. A Title that relates to the topic you're trying to express. (10 points)
2. The frequency range your topic covers. (10 points)
3. A list in which these waves are used in medicine and/or industry. (10 points)
4. A brief history on how this part of the spectrum was discovered. (10 points)
5. Health concerns about your part of the spectrum. (10 points)
6. Pick one special application in medicine or industry in which these waves are used and describe how it works in detail. (10 points)
7. Pictures/drawings to help explain. (10 points)
8. Define team member responsibilities. (10 points)
9. Present your area of research. (20 points)

Sources you may start with:

<http://en.wikipedia.org/wiki/Microwave>

Team Member

Responsibility

	Frequency range, List of applications, researcher and presenter.
	History researcher and presenter
	Medicine and/or industry applications researcher and presenter. (Pick an interesting application and talk about it in detail)
	Health Concerns researcher and presenter.