Activity Sheet 2

**Answers**

Examine the EKG below:

Voltage

![EKG Wave](image)

Time

Compare the EKG Wave above with a healthy EKG.

Does the **Amplitude** look normal? **Yes, the height looks to be fairly normally**

__________________________________________________________________________

__________________________________________________________________________

What about the **Frequency**? **There is an increased and erratic frequency**

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________

What about the **Pattern**? **The P wave cannot be clearly seen and the QRS is irregular in shape**

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__________________________________________________________________________

__________________________________________________________________________

Would a healthy heart produce an EKG like this? **NO**

What parts of the heart could cause this EKG? (Hint: Use all of the resources that you have been given!)

**The Ventricle:** The QRS wave represents the stroke of the heart when most of the blood is being pumped. Because it is an irregular pattern, this tells us that the heart muscles also must be moving irregularly and moving little or no blood through the heart. This condition is known as **Ventricular tachycardia** and is extremely life threatening.