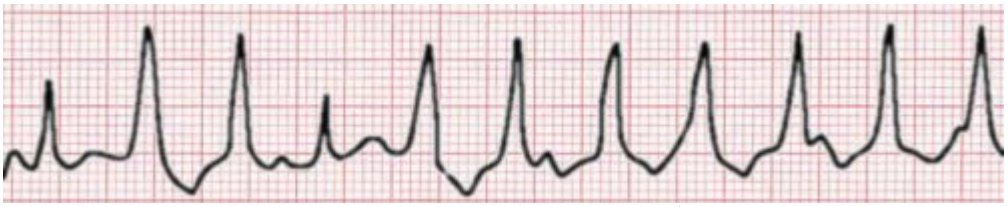
Activity Sheet 2 **Answers**

Examine the EKG below:

Voltage



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**

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 know as **Ventricular tachycardia** and is extremely life threatening.