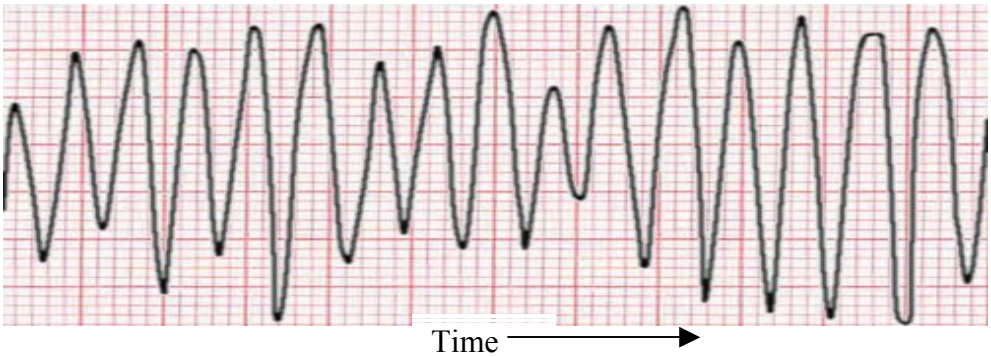
Activity Sheet 3 **Answers**

Examine the EKG below:

Voltage



Compare the EKG Wave above with a healthy EKG.

Does the **Amplitude** look normal? **Yes, the height looks to be maybe a little too large.**

What about the **Frequency**? **There is a very rapid frequency**

What about the **Pattern**? **No wave can be clear distinguished by its parts**

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 Whole Heart; the high frequency of beats suggests that the heart is unable to even fill with blood before the next heart beat. Because there is no distinguishable waves, this suggests that all the heart muscles might be contracting all together without a pattern or ability to 'push' the blood in a specific direction. This condition is called **Ventricular flutter** and occurs right before another condition: **Ventricular fibrillation**.