

AP Biology 025 – Mechanisms of Timing and Control Video Review Sheet

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1. Concerning Timing and Control:
 - a. Of Plants –
 - i. Define Phototropism:

 - ii. Define Photoperiodism:
 - b. Of Animals – circadian rhythms are tied to the time of the _____
 - c. Of Bacteria – quorum sensing, basically bacteria can “ _____ ”
2. Phototropism:
 - a. Differentiated between negative and positive phototropism.
 - b. What hormone do plants use for phototropism?
 - c. What does auxin do?
3. Photoperiodism:
 - a. Plants probably use phytochrome – which absorbs _____ and then it causes it to change its _____
 - b. You can classify plants according to the length of the _____ (not really the length of the day)
4. Circadian rhythm:
 - a. The _____ gland releases _____ during the night.
 - b. We are set on a _____ hour schedule.
5. Quorum Sensing:
 - a. A way that bacteria can
 - b. Bacteria give off proteins called _____ that say:
 - c. The _____ bacteria the more autoinducers are generated.
 - d. Bacteria can tell how _____ it is

 - e. List some of the responses/behavior bacteria might have as a result to how crowded it:

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