## Research Question (RQ)

*One sentence, detailed, focused.*

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## Context

*Why are you investigating/seeking to answer this RQ? Why is this RQ relevant?*

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*Any connection to environmental / local issue / extending prior study / testing ideas, etc.*

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*What is novel about your investigation, i.e. what are YOU bringing to the table?*

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## Independent Variable (IV)

*What are you testing/manipulating?*

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*What are the experimental groups? Do you have a control group? Range and Units.*

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*Why did you choose these groups? Based on prior studies or scientific theory?*

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*How many repeats will you conduct per group (5 is minimum)?*

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## Dependent Variable (DV)

*What are you measuring?*

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*What units are you measuring this in?*

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*How are you measuring it (apparatus/methodology)?*

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*Over what time period are you measuring this? Why?*

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*Why did you choose this?*

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*What will your final graph look like = X axis, Y axis, type of graph*

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## Study Species

*What species are you testing?*

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*Why was this species chosen?*

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*Did you order/obtain it? If not, when?*

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## Plan of Attack

*What apparatus and materials do you need from the school?*

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*Do you have the rest of the required materials/apparatus/study species?*

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*Where are you conducting the experiment: school lab or home?*

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*How long will this take (estimate either in double periods or days)?*

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