



Unit 2 – Solving problems to survive

Task 8: Extended Response – Transport systems in organisms



Name:	Teacher:	Date:	Score: /
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Assessment type: Extended response

Conditions

Time for the task:

- Part 1: Two lessons to research topic and complete notes at home.
- Part 2: One lesson for in-class validation – extended response style question.

Your research must be handed in or before the day of the In-class assessment to be awarded marks. You can choose the format in which you would like to present your research, as long as it is compatible for submissions e.g. iMovie, notes, PowerPoint, keynote, written and/ or typed. A maximum of four pages (two pages back and front) if written/type and maximum of 10 slides. Research must be in your own words, not copied and pasted. List all references used.

Task Weighting 10%

PART 1: Research notes

Through online research from reliable sources answer the questions that follow relating to photosynthesis.

Plants

1. Describe water and mineral transportation in plants. Include a diagram (pencil, labels, title).
2. Describe sap or dissolved sugar/carbohydrate transportation in plants. Include a diagram (pencil, labels, title).
3. Transpiration occurs within plants ending in the leaf, research how the leaf structure enables this process and how it is linked to gas exchange.

Animals

4. Research the structure of circulatory systems in animals, what structures and substances are involved with this transport system?
5. What are three different types of animal circulatory systems? Include a labelled diagram of a mammalian circulatory system.
6. Describe the structure of a mammalian heart and how it is structured to allow it efficiently pump blood. Include a labelled diagram.

References

- I cannot claim the work or ideas of someone else as my own
- Plagiarism is not just when I directly copy words from someone else's work. Plagiarism is also when someone else's work is paraphrased or their ideas are used and claimed as my own
- Referencing has a positive effect and adds credibility to my work
- When I reference correctly, I am demonstrating that (a) I have read widely on the topic and (b) that I am supporting my hypotheses with comments from expert authors and/or reliable sources
- Correct referencing allows the marker/reader to follow-up my references and check the validity of my arguments for themselves.

In the table below, list all references used to answer the questions.

Surname	Initial	Title of page	Full title of website	Date Written	Internet Address	Date of visit
Brown	J.	<i>'Things in Space'</i>	<u>Astronomy Facts</u>	1998	http://www.astronomyfacts.com	31 July 2019

Note: Please submit your task through Connect (Submissions).