

TEAS Science

Trace the pathway. Name the process. Test the cause.

01 Name vessels by direction

Arteries carry blood away from the heart; veins return it. Oxygen content does not define the vessel's name.¹

Adult pulmonary route: right ventricle -> lungs -> left atrium. Pulmonary arteries carry oxygen-poor blood; pulmonary veins return oxygen-rich blood.^{1,2}

02 Change one factor; measure another

Example: vary a lamp's distance and measure plant growth. Distance is the independent variable; growth is the dependent variable. Keep water, species and duration comparable.³

A correlation alone does not establish a cause: another factor or the direction of the relationship may explain it. Seek a controlled comparison.³

Keep going with the full quick sheet.

6 more focused sections: Air movement versus gas exchange / Filtering is not losing everything / Make, store, break down, absorb / DNA -> RNA -> protein / Element, isotope or ion? / Lower pH means more hydrogen ions.

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SOURCES - CLICK A LABEL TO CHECK THE ORIGINAL

1. NCI: Blood Vessel Classification

2. NCI: Circulatory Pathways

3. NICHD: Research and Reason

TEAS Version 7 | Selected science topics | Checked 2026-09-25

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