

Your responses will be graded based on the accuracy and thoroughness of your analysis, the clarity of your justifications, and how well you adhere to the DBH, depth and angle, and spacing criteria.

This evaluation will be scored out of 50 points:

- DBH Height Standard: 10 points
- Tap Depth & Angle: 10 points
- Spacing: 10 points
- Justification and Reasoning: 10 points
- Clarity and Completeness: 10 points

Make sure to provide clear, logical explanations for each of your decisions, and organize your responses so they are easy to follow.

Scenario 1

Students should determine if this placement is appropriate and explain why or why not.

- **Tree Diameter:** 10 inches
- **Tap Placement:** Tap is 2.5 feet (30 inches) from the ground, 1.5 inches deep, and angled slightly downward.
- **Previous Taps:** No previous taps on this tree.
- **Assessment:**

Scenario 2

Students should determine if this placement is appropriate and explain why or why not.

- **Tree Diameter:** 15 inches
- **Tap Placement:** Tap is 4 feet from the ground and 1 inch deep. The angle is level (not downward).
- **Previous Taps:** Two old taps are located below the DBH line, 8 inches apart, and 6 inches from the new tap location.

Scenario 3

Students should determine if this placement is appropriate and explain why or why not.

- **Tree Diameter:** 24 inches
- **Tap Placement:** Two taps are placed on this tree.
 - **Tap 1:** 4.5 feet from the ground, 2 inches deep, angled downward.
 - **Tap 2:** 4.5 feet from the ground, placed 8 inches away from Tap 1, angled slightly downward, and 2 inches deep.
- **Previous Taps:** No visible previous taps.

Scenario 4

Students should determine if this placement is appropriate and explain why or why not.

- **Tree Diameter:** 30 inches
- **Tap Placement:** Tap is 5 feet from the ground but only 0.5 inches deep, angled downward.
- **Previous Taps:** Two previous taps are located just above and below the DBH line, within 6 inches of the new tap.

Scenario 5

Students should determine if this placement is appropriate and explain why or why not.

- **Tree Diameter:** 12 inches
- **Tap Placement:** Two taps are placed on this small tree.
 - **Tap 1:** 4.5 feet from the ground, 1.5 inches deep, angled downward.
 - **Tap 2:** 4.5 feet from the ground, placed 6 inches away from Tap 1, angled downward, 1.5 inches deep.
- **Previous Taps:** No previous taps, but the tree diameter is small.

Criteria	Excellent (10 pts)	Good (8 pts)	Satisfactory (5 pts)	Needs Improvement (2 pts)	Points
DBH Height Standard	Accurately assesses tap placement against DBH for each scenario, with clear reasoning.	Identifies DBH standard for most taps, with minor errors or unclear explanation.	Partially applies DBH standard; may miss key scenarios or lacks detail.	Lacks understanding of DBH standard; incorrect for most scenarios.	/1 0
Tap Depth & Angle Evaluation	Correctly evaluates depth and angle for optimal sap flow, citing each scenario accurately.	Mostly correct evaluation of depth and angle; minor errors or vague justification.	Shows partial understanding; some errors in depth or angle assessment.	Incorrect evaluations; does not demonstrate understanding of depth or angle requirements.	/1 0
Spacing from Previous Taps	Accurately assesses tap spacing from previous taps; includes sound reasoning and detail.	Identifies spacing issues in most scenarios, with minor errors or unclear explanation.	Partially addresses spacing; some details missing or misunderstood.	Fails to consider spacing requirements; incorrect in most scenarios.	/1 0
Justification and Reasoning	Provides detailed, logical explanations for all decisions, clearly showing understanding.	Good reasoning for most scenarios, but a few explanations lack clarity or depth.	Some reasoning is clear, but other explanations are vague or incorrect.	Little to no reasoning provided; explanations are mostly incorrect.	/1 0

Clarity and Completeness	All answers are clear, well-organized, and complete; no information gaps.	Mostly clear and organized; may lack some detail or have minor organization issues.	Some parts are clear, but responses are generally disorganized or incomplete.	Lacks clarity and organization; several areas incomplete or confusing.	/1 0
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