



Deforestation and Machine Learning Assessment Rubric

Criteria	Exemplary	Proficient	Developing	Beginning
Clarity and Completeness of Takeaways	Clearly identifies three distinct, well-articulated takeaways that show strong understanding of the lesson; explanations include relevant details from ML training, satellite imagery, and real-world impacts.	Identifies three takeaways with generally clear explanations; includes at least one reference to model training, satellite imagery, or impacts.	Lists two or three takeaways but with unclear, vague, or minimal explanations; limited connection to lesson activities.	Provides fewer than two takeaways, or responses are extremely brief, unclear, or off-topic.
Understanding of AI & ML Concepts	Demonstrates strong understanding of how AI/ML models work, referencing concepts like classification, training data, accuracy, or patterns in satellite images; explanations are accurate and thoughtful.	Shows general understanding of AI/ML concepts with at least one accurate example or explanation.	Shows limited or surface-level understanding; examples may be vague, incomplete, or partially incorrect.	Shows little to no understanding of AI/ML concepts; information is incorrect or missing.
Use of Evidence, Examples, or Observations	Includes specific, relevant examples from the model-training activity, satellite images, class discussion, or personal observations; evidence strongly supports the reflection.	Includes at least one relevant example that supports the response.	Mentions examples, but they are weakly connected, unclear, or not well explained.	Provides no relevant examples or supporting details.
Insight Into Human vs. AI Strengths (Optional Prompt)	Provides a thoughtful comparison of AI sorting vs. human sorting, identifying meaningful strengths and limitations of automation with clear reasoning and examples.	Provides a clear comparison with at least one accurate insight about automation's strengths or weaknesses.	Attempts a comparison but insights are minimal, vague, or lack clear examples.	Provides no meaningful comparison or explanation of automation strengths/limitations.