

Assessment for Learning - Rubric

Your Score	Understanding Concepts	Calculation Accuracy	Problem-Solving Strategy
4	The student can calculate the volume of the cylinder and also the hemisphere. The student understands that the question requires the calculation of a composite volume.	The student performs calculations accurately and efficiently, consistently checking and verifying their work with attention to detail.	The student effectively selects and applies the relevant formulas.
3	The student can calculate the volume of the cylinder or the hemisphere but lacks understanding of composite volume.	The student performs calculations accurately with minimal errors and checks their work to ensure correctness.	The student understands how to substitute values into the volume formula but has difficulty calculating the volume of a sphere.
2	The student shows partial understanding of the concepts. They may confuse the components or make errors in identifying them.	The student makes some errors but attempts to correct them. They may not consistently check their work.	The student attempts to use strategies but may choose inappropriate ones or apply them incorrectly. They show some effort in tackling complex problems.
1	The student shows little to no understanding of the relationship between radius, height, and volume. They struggle to identify the correct components.	The student frequently makes errors in their calculations, leading to incorrect answers.	The student struggles to choose an appropriate strategy for solving the problems. They may not attempt to solve more complex problems.