





Making Observations

Bell Work – Teacher Edition

Analyze each illustration that shows an incorrect way of doing a laboratory procedure. Then, briefly explain how procedure may be done correctly.

Incorrect Laboratory Procedure	How to Do It Correctly
 <p>An illustration of a woman with long brown hair, wearing a white lab coat over a teal dress and blue high-heeled shoes. She is standing behind a wooden desk. On the desk, there is a stack of colorful books, a printer, and a pipette on a stand. She is holding the pipette and appears to be in the process of using it. This is an incorrect procedure because she is not wearing safety glasses and is using a pipette in a non-laboratory setting.</p>	
 <p>An illustration of a woman with short brown hair, wearing a green lab coat, a yellow apron, and safety goggles. She is holding a graduated cylinder filled with blue liquid. In the background, there is a laboratory bench with a conical flask containing yellow liquid on a stand, and a stool. This is an incorrect procedure because she is wearing safety goggles and an apron, which is correct, but she is holding the graduated cylinder in a way that is not standard for reading or pouring.</p>	



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Incorrect Laboratory Procedure	How to Do It Correctly
	<p>Put away notebooks, papers, and any other clutter that might pose a fire hazard. Wear protective goggles and tie back long hair.</p>
	<p>Place the graduated cylinder on a flat surface and make sure to read its meniscus at an eye level. Refrain from lifting the graduated cylinder as the liquid inside it may move.</p>

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Incorrect Laboratory Procedure	How to Do It Correctly
 <p>A female scientist wearing a lab coat and safety goggles is pouring a yellow liquid from a beaker into a narrow test tube. She is not using a funnel, and some liquid has spilled onto the lab bench.</p>	<p>Use a funnel when transferring liquids to a narrow mouthed container.</p>
 <p>A male scientist in a lab coat is heating a test tube with a Bunsen burner. He is holding the test tube with tongs and pointing it towards himself.</p>	<p>Do not point to yourself or to anyone the test tube when heating.</p>