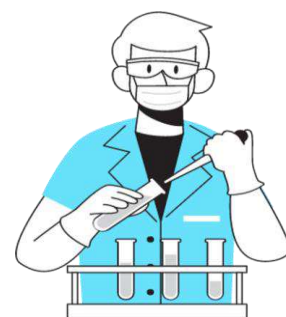











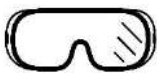





Name \_\_\_\_\_ Date \_\_\_\_\_



## LAB EQUIPMENT QUIZ

1. Identify the laboratory equipment shown in the picture and write down its main function:

Equipment	Name	Function
		
		
		
		
		
		
		

2. Indicate the apparatus that would be useful for each of the following tasks. Hint is given in italics:

Task	Apparatus
Used for even distribution of heat when heating substances in beakers or flasks ( <i>rwei zeagu</i> )	
Holding 100mL of water ( <i>ebkare</i> )	
A narrow-mouthed container used to transport, heat or store substances, often used when a stopper is required ( <i>ymerereel kslaf</i> )	
Used to grind chemicals to powder ( <i>tmraor nda stlepe</i> )	
Used as a surface to evaporate a liquid, as a cover for a beaker, or to hold solids while being weighed ( <i>fahcw sgasl</i> )	
Holding many test tubes filled with chemicals ( <i>estf ubet karc</i> )	
Measuring 27 mL of liquid ( <i>daudgtear ldnreiy</i> )	
Used for separating immiscible liquids ( <i>laef ginen snprutn</i> )	
Protects the eyes from flying objects or chemical splashes ( <i>ggloges</i> )	
Used when heating liquid substances because heat is supplied uniformly so that the flask doesn't crack as it expands ( <i>bfka bentfl doso dulrl</i> )	
Measuring exactly 43mL of an acid ( <i>tretube</i> )	

**3. Identify the most suitable laboratory equipment that the following students can use in each scenario to successfully carry out the described lab activities:**

- a. Emily was heating a test tube over a Bunsen burner when the test tube shattered. What safety equipment could have protected her from potential injuries?

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- b. Sarah needs to transfer a hot crucible from the furnace to a desiccator. Which lab equipment would be most suitable for safely handling the crucible?

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- c. Emily needs to support a crucible over a Bunsen burner flame for heating. Which lab equipment would provide stable support for the crucible?

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- d. Max needs a suitable surface to let him evaporate a liquid slowly to observe the formation of crystals. Which lab equipment would allow him to evaporate the liquid evenly?

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- e. Ethan is conducting a laboratory experiment that requires continuous stirring of a solution. Which lab equipment would provide consistent stirring without manual intervention?

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- f. Chloe needs to measure the pH of a solution accurately. Which lab equipment would allow her to measure the pH precisely?

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- g. In a past separation of mixtures lesson, Sarah needed to separate two immiscible liquids with different densities. Which lab equipment would allow her to perform the separation efficiently?

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- h. Paul needs to hold substances being burned in gas jars to observe their combustion properties. Which lab equipment would be most suitable for this purpose?

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- i. Jack needs to add water to vessels with narrow necks without spilling. Which lab equipment would allow him to control the flow of water precisely?
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