

# DON'T MUCK IT UP LAB PRACTICUM

<i>Liquids (24 pts)</i>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>
ID liquid	correct with data	incorrect with data	correct with no data	incorrect with no data
Boiling point liquid	N/A	N/A	correct	incorrect
Density of liquid	N/A	N/A	correct	incorrect
Odor liquid	included in presentation	N/A	N/A	not included in presentation
Color liquid	included in presentation	N/A	N/A	not included in presentation
Formula liquid (make sure you use subscripts)	correct	N/A	N/A	incorrect
Lewis Dot Structure (drawing)	correct	1 mistake	2 mistakes	incorrect
<i>Soluble Salt (16 pts)</i>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>
ID	correct with data	incorrect with data	correct with no data	incorrect with no data
Flame Test	included in presentation	N/A	N/A	not included in presentation
Lewis Dot Structure (drawing)	correct	1 mistake	2 mistakes	incorrect
Color	included in presentation	N/A	N/A	not included in presentation
<i>Insoluble Salt (12 pts)</i>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>
ID	correct with data	incorrect with data	correct with no data	incorrect with no data
Acid Test	included in presentation	N/A	N/A	not included in presentation
Color	included in presentation	N/A	N/A	not included in presentation
<i>4 Insoluble Solids (112 pts)</i>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>
ID solid 1	correct with data	incorrect with data	correct with no data	incorrect with no data
ID solid 2	correct with data	incorrect with data	correct with no data	incorrect with no data
ID solid 3	correct with data	incorrect with data	correct with no data	incorrect with no data
ID solid 4	correct with data	incorrect with data	correct with no data	incorrect with no data
Acid Test solid 1	included in presentation	N/A	N/A	not included in presentation
Acid Test solid 2	included in presentation	N/A	N/A	not included in presentation
Acid Test solid 3	included in presentation	N/A	N/A	not included in presentation
Acid Test solid 4	included in presentation	N/A	N/A	not included in presentation
Density of solid 1	N/A	N/A	correct	incorrect
Density of solid 2	N/A	N/A	correct	incorrect
Density of solid 3	N/A	N/A	correct	incorrect
Density of solid 4	N/A	N/A	correct	incorrect
Color solid 1	N/A	N/A	included in presentation	not included in presentation
Color solid 2	N/A	N/A	included in presentation	not included in presentation
Color solid 3	N/A	N/A	included in presentation	not included in presentation

Color solid 4	N/A	N/A	included in presentation	not included in presentation
Electron configuration (long) solid 1	N/A	N/A	correct	incorrect
Electron configuration (short) solid 1	N/A	N/A	correct	incorrect
Electron configuration (long) solid 2	N/A	N/A	correct	incorrect
Electron configuration (short) solid 2	N/A	N/A	correct	incorrect
Electron configuration (long) solid 3	N/A	N/A	correct	incorrect
Electron configuration (short) solid 3	N/A	N/A	correct	incorrect
Electron configuration (long) solid 4	N/A	N/A	correct	incorrect
Electron configuration (short) solid 4	N/A	N/A	correct	incorrect
Balanced equation for reaction of solid 1 with Oxygen	correct	1 error	2 errors	3 or more errors
Balanced equation for reaction of solid 2 with Oxygen	correct	1 error	2 errors	3 or more errors
Balanced equation for reaction of solid 3 with Oxygen	correct	1 error	2 errors	3 or more errors
Balanced equation for reaction of solid 4 with Oxygen	correct	1 error	2 errors	3 or more errors
Oxidation numbers in solid 1 reaction	correct	1 error	2 errors	3 or more errors
Oxidation numbers in solid 2 reaction	correct	1 error	2 errors	3 or more errors
Oxidation numbers in solid 3 reaction	correct	1 error	2 errors	3 or more errors
Oxidation numbers in solid 4 reaction	correct	1 error	2 errors	3 or more errors
ID element oxidized solid 1 equation	N/A	N/A	correct	incorrect
ID element reduced solid 1 equation	N/A	N/A	correct	incorrect
ID element oxidized solid 2 equation	N/A	N/A	correct	incorrect
ID element reduced solid 2 equation	N/A	N/A	correct	incorrect
ID element oxidized solid 3 equation	N/A	N/A	correct	incorrect
ID element reduced solid 3 equation	N/A	N/A	correct	incorrect
ID element oxidized solid 4 equation	N/A	N/A	correct	incorrect
ID element reduced solid 4 equation	N/A	N/A	correct	incorrect

<i>Presentation of Testing/Analysis</i>	4	3	2	1
1) Appropriate scientific procedures were used for each component of the "muck" as well as to identify and confirm identity of each component in the lab.	Analysis/Testing of components was shown & explained within presentation for all components of the muck & all techniques	Analysis/Testing of components was shown & explained within presentation for at least 7-9 components of the muck & 3 techniques	Analysis/Testing of components was shown within presentation but not explained -OR- was shown & explained for 4-6 components of the muck/3 testing techniques	Analysis/Testing of components was not shown within presentation -OR- not explained -OR- only included for 3 or less components of the muck/2 testing techniques
2) Procedural set ups, qualitative and quantitative data is shown for each test done in the form of pictures, videos, and data tables	<b>Checklist of testing techniques/components:</b>			
3) Analysis of data & calculations are explained within the presentation to elaborate on the identification of all components of the muck	<input type="checkbox"/> Density of Liquid	<input type="checkbox"/> Acid Metal 1	<input type="checkbox"/> Flame test Soluble Salt	<input type="checkbox"/> BP of Liquid
	<input type="checkbox"/> Density Metal 1	<input type="checkbox"/> Acid Metal 2		
	<input type="checkbox"/> Density Metal 2	<input type="checkbox"/> Acid Metal 3		
	<input type="checkbox"/> Density Metal 3	<input type="checkbox"/> Acid Metal 4		
	<input type="checkbox"/> Density Metal 4	<input type="checkbox"/> Acid test Insol. Powder		