

Week 4

Pharmacology & Toxicology 2022

Date updated (use for student version only)

Monday, June 27, 2022

Changes marked below in red

Completed Tasks	0
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	Where to purchase	Links	Yes/No
Monday Experiment: Dose response curve			
Equipment			
Measuring spoons(teaspoons)	common house hold item		
Measuring cups(1/4 cup size)	common house hold item		
You will need 12 vessels: Pick only one from Method 1, 2 or 3 listed below, depending on which ever is most accessible/available to you.			
Method 1: 12 clear small Zip seal bags , preferred minimum size at 3cm x 5cm or small size ziplock bags vessel 8mL of liquid * bag cannot be too big, liquid may evaporate	Dollarama, Walmart, Michaels, Any local Grocery store, common house hold item	EXAMPLE	
Method 2: 12 small Tupperware containers, can be glass or plastic	common house hold item		
Method 3: 12 small Ceramic or plastic dessert plates (not paper) and 1x saran wrap roll	common house hold item		
Supplies: Materials			
1 package of Fast Germinating Champion Radish seeds (120 seeds needed minimum)	Canadian Tire, Rona, Lowe's , HomeDepot, Walmart, Amazon		
>>>Alternatively, use Fast germinating Broccoli seeds (120 seeds)	Canadian Tire, Rona, Lowe's , HomeDepot, Walmart, Amazon		
1 Sharpie/Permenant marker, Black color preferred	Dollarama, Walmart, Michaels, Staples, Any local stationary store, common house hold item		
1 stick or spoon for mixing solutions	common house hold item		
Gauze or paper towel, cut to size of your vessel. Cut this in advance.	common house hold item		
Jar or plastic cup for waste	common house hold item		
Supplies: Reagents			
Tap water	common house hold item		
50 mL Vinegar 5% (acetic acid)	Any local grocery store, common house hold item		
Table salt, 10g	common house hold item		
Tuesday Experiment: VEGF at home activity			
Equipment			
3 or 4 inch styrofoam ball (four inch better)	Dollarstore, Walmart	Michaels.com	
13 clear push pins	Dollarstore, Walmart	Amazon.ca	
Printed out pathway components	Found on Quercus	https://q.utoronto.ca	
Scissors	Dollarstore, Walmart	Amazon.ca	
Exacto knife	Household item, Walmart, Dollarstore	Walmart.ca	
Tuesday Experiment: Paper chromatography			
Equipment			

	3 Glass jar or any type of Glass vessel at least 8 cm width x 11 cm height. Ideally same size	common house hold item		
	>>> DO NOT use plastic. Acetone will melt plastic.			
	Towel, that you don't mind getting dirty.	common house hold item		
	1 Ruler, at least 15cm	common house hold item		
	3 wooden stick(e.g bamboo skewer, or chopstick, or a thin long pencil). Ideally same size.	common house hold item		
	3x Binder clip or bulldog clamp or any clip of similar function(1 or 2 /jar depending on size)	common house hold item		
	Scissor	common house hold item		
	Saran wrap	common house hold item		
	1 pencil to draw a line	common house hold item		
	Supplies: Materials			
	Any size coffee filter paper (white). Cut 6 strips (2cm by 11 cm).	common house hold item any local gorcery store		
	Supplies:Chemicals			
	Water	common house hold item		
	nail polish remover (acetone)	common house hold item any local pharmacy, shoppers, dollarama, walmart		
	Glass cleaner (any brand, e.g Skarple n' Shine, Windex)	common house hold item any local pharmacy, shoppers, dollarama, walmart		
	2 black markers *Need to to be two different brands. One must be washable or water-soluble, the other a permanent one.	Dollarama, Walmart, Michaels, Staples, Any local stationary store		