



Pugh Chart Practice

Name: _____ Date: _____ Period: _____

Part I: Choosing a Car

You came into some money....and have decided to buy a car! There are many different cars which you can buy. The problem is that each car has some things you like and some things that you don't. As an example, maybe one is the perfect color but has awful gas mileage. Another could have the perfect price but it is a truck and you like 4 door car (sedan). How will you determine which vehicle will meet the majority of your needs?

The answer is, use a **Pugh chart** to evaluate your priorities. With a Pugh chart, the higher the number, the higher your priority. Think of the numbers this way... (see table).

0	Criteria is never met (HATE it)
1	Criteria is rarely met (can handle it)
2	Criteria is sometimes met (good with it)
3	Criteria is always met (LOVE it)

Part II: Coffee Example from Class

When I woke up this morning, I realized that my coffee machine had broken. Thus, I needed to go buy coffee on my way to work. I used a Pugh chart to show the best option.

Best place for Coffee	Starbucks	McDonalds	Gas Station
Cost	0	2	3
Taste	3	2	2
Strength of Caffeine	3	2	3
Wait Time	1	2	3
Total:	7	10	11

1. According to the Pugh chart, where should your teacher get coffee?
2. Why would your teacher go to Starbucks instead (which criterion was most important to your teacher)?

Part III: Back to your Car

There are three vehicles available to you. Which should you buy? Fill in the Pugh chart (using the same numbers discussed at the top of this sheet). (*MPG=miles per gallon)

Characteristics of Vehicle	Vehicle #1:	Vehicle #2:	Vehicle #3:
	<ul style="list-style-type: none"> • Green • 4 door sedan • 35 MPG* • \$19,000 	<ul style="list-style-type: none"> • Silver • Truck • 15 MPG • \$7,000 	<ul style="list-style-type: none"> • Black • 2 door sports car • 20 MPG • \$44,000
Color			
Type			
Gas Mileage			
Cost			
Total:			

3. Which vehicle does the Pugh chart suggest you buy?

4. Would you have picked a different car? Why?

Part IV

Team Design: Your team needs to design your own Pugh chart for a good study location. You have a big test coming and need to find a good place to study.

- ┌ Discuss and decide on 4 locations that are **commonly** used as places to study. Add them to the **column** headings on the Pugh Chart below.
- ┌ Discuss and decide on 3 criteria that make a location a good place to study **productively**. Add them to the **row** headings on the Pugh chart below.
- ┌ (Don't complete the chart, just set it up.)

Good Location to Study for a Test				
Total:				