

Name: _____ Date: _____

Engineering through Robotics and Automated Patient Care Activity – Guided Research Packet

Directions

Define the following words or phrases, and use them in a sentence that shows understanding.

Pressure Ulcer	Definition:
	Sentence:
Deep Vein Thrombosis	Definition:
	Sentence:
Medical Device	Definition:
	Sentence:
Mechanical Engineering	Definition:
	Sentence:
Bioengineering	Definition:
	Sentence:

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Robotics	Definition:
	Sentence:

You will be required to design a medical device to help prevent one of the conditions listed in the chart below. Complete the table below to further your understanding of each of the conditions.

Condition	Description of Condition	Describe the Formation	Current Treatment
Pressure Ulcer			
Deep Vein Thrombosis			

How are robots used in hospitals today?

1. _____
2. _____
3. _____

Identify three pros and three cons for robots' use in hospitals.

Pros	1.
	2.
	3.
Cons	1.
	2.
	3.

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In your opinion, should robots be used in hospitals? Why or why not?
