Structures Review Topics 1-3

Name:
Topic 1 Types of Structures1. Structures can be classified as being natural or manufactured. Give two examples of each type.
2. Structures can also be classified by their design as being either a mass, frame or shell. Describe each type, with an example, and give the advantages and disadvantages of each type.
Mass Description:
Examples:
Advantages:
Disadvantages:
Frame Description:
Examples:
Advantages:
Disadvantages:

Shell Description:
Examples:
Advantages:
Disadvantages:
 3. Classify the following as either a frame, mass, shell or a combination. a. A pop can b. A backpacking tent c. A beaver dam
Topic 2 Describing Structures:
4. What are the 5 things a designer must consider when planning a structure 1.
2.
3.
4.
5.
5. What is meant by margin of safety?
6. Mobile joints are to make and need to be in order to work properly.

7. What are 3 ty	pes of rigid joints? Give an	example of each.	
1.	example:	example:	
2.	example:		
3.	example:		
4.	example:		
5.	example:		
8. What is reinfo	orced concrete? Why is it b	petter than regular concrete?	
Topic 3 Mass ar	ıd Force		
9. What is the d	lifference between mass an	d weight?	
10.Please fill in t	the following chart		
	Units	Measuring Instrument	
Mass			
Weight			
Force			

11. Answer the following:

$$1Kg = \underline{g}$$