

SUBJECT: SCIENCE

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- ✓ 4.4. Keeping a fetus healthy (p.159-165)

Unit 6. Sound and space

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Instructions: Students MUST complete the study guide before revision classes.

PART 1. SCIENTIFIC TERMS

NO.	TERMS	UNITS	DEFINITIONS	VIETNAMESE TRANSLATIONS
1	fetus	4.4		
2	fetal health	4.4		
3	loudness	6.1		
4	vibrate/ vibration	6.1		
5	distance	6.1		
6	waveform	6.1		
7	amplitude	6.1		
8	peak	6.1		
9	trough	6.1		
10	oscilloscope	6.1		
11	pitch	6.1		

12	frequency	6.1		
13	wave	6.2		
14	interference	6.2		
15	reinforce	6.2		
16	cancel	6.2		
17	collision theory	6.3		
18	nebula/ nebulae	6.4		
19	northern hemisphere	6.4		
20	southern hemisphere	6.4		
21	stellar nursery	6.4		

PART 2. Answer the following questions

1. List three substances that move from the mother's blood into her fetus's blood.

2. List two substances that the fetus excretes, which are removed by the mother's blood.

3. Why does a pregnant mother need protein/ carbohydrate/ iron/ calcium in her diet? Suggest some foods that a pregnant woman could eat that would supply her with these nutrients.

4. Why should a pregnant woman **NOT** smoke cigarettes?

5. Look at the four sound waveforms, A, B, C and D.

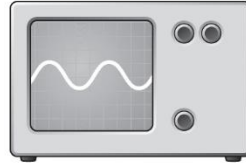
a. Which sound is quieter? Why?

b. Which sound is louder? Why?

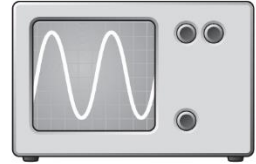
c. Which sound has higher pitch? Why?

d. Which sound has lower pitch? Why?

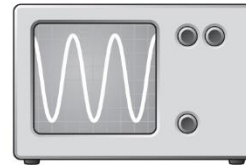
A



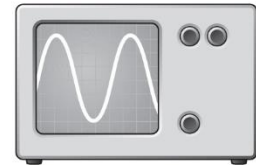
B



C



D



6. Describe how two sound waves must meet in order to reinforce.

7. Describe how two sound waves must meet in order to cancel.

8. According to the collision theory, how was the Moon formed?
