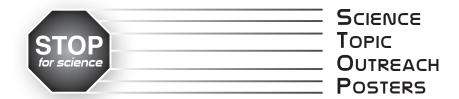
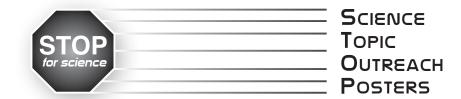
Questions · Section 5.2



Name	Grade/Class #	Name	Grade/Class #
Level ONE Que	stions (#1-3)		
1. What is faster,	, a cheetah or the goo that com	es out of your mouth w	hen you sneeze?
2. Can a Peregri	ne falcon travel faster than a ra	ce horse?	
3. According to the	he graph on the poster, how fas	et does sound travel?	
THAT'S FAS	for	TOP	SCIENCE TOPIC OUTREACH POSTERS
Name	Grade/Class #	Name	Grade/Class #
Level ONE Que	stions (#1-3)		
1. What is faster,	, a cheetah or the goo that com	es out of your mouth w	hen you sneeze?
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Questions · Section 5.2



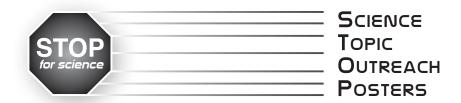
Name	Grade/Class #	Name	Grade/Class #
Level TWO Questions (#4-6)		
 What could go the fartl Explain. 	nest in a minute, the space s	shuttle or a meteor speeding	towards Earth?
5. Can we make anything	g go faster than the speed of	f light?	
		ne graph on the poster, a spe horizontal axis to get to the r	

Questions · Section 5.2



Name	Grade/Class #	Name	Grade/Class #
Level THREE Questio	ons (#7-10)		
7. During a thunder sto	rm, do you see the lightn	ing first or hear the so	ound of thunder first? Explain.
			ace horse running for a half-
hour? How far has e	ach traveled in those time	es? 	
9 By the time you are	10 years old, how far has	the Farth traveled in	its orbit around the Sun?
	To your ora, now fair had	The Lath have early	

Answers · Section 5.2



Level ONE Questions (#1-3)

- 1. What is faster, a cheetah or the goo that comes out of your mouth when you sneeze?

 Answer: The goo from a sneeze travels faster than a cheetah.
- Can a Peregrine falcon travel faster than a race horse?
 Answer: Yes. A Peregrine falcon can travel up to 200 mi/hr.
 A race horse travels about 50 mi/hr.
- 3. According to the graph on the poster, how fast does sound travel?

 Answer: Sound travels at about 775 mi/hr.

Level TWO Questions (#4-6)

- 4. What could go the farthest in a minute, the space shuttle or a meteor speeding towards Earth?

 Answer: A meteor is faster and would, therefore travel the farthest in a minute.
- 5. Can we make anything go faster than the speed of light?

 Answer: No, nothing can travel faster than the speed of light in a vacuum.
- 6. Because of the large range of speeds shown on the graph on the poster, a special scale is used. By what number do you multiply each step on the horizontal axis to get to the next step?

 Answer: Each step on the graph is 10 times larger than the previous one.

Level THREE Questions (#7-9)

- 7. During a thunder storm, do you see the lightning first or hear the sound of thunder first?

 Answer: You see the lightning first before hearing the thunder because light travels faster than sound.
- 8. Which travels farther, a three-toed sloth running for 10 hours, or a race horse running for a half-hour? How far has each traveled in those times?
 - Answer: The three-toed sloth travels 1.5 miles in 10 hours. The race horse travels 25 miles in a half-hour. Thus, the race horse has traveled farther.
- 9. By the time you are 10 years old, how far has the Earth traveled in its orbit around the Sun?

 Answer: The Earth moves about 580 million miles each year, in its orbit around the Sun.

 After 10 years, it will have moved 5800 million miles, or 5.8 billion miles.