

Five Multiple Choice Questions that require complete essay answers. Explain (1) why the chosen answer in **italic boldface** type is correct and (2) why the others are not. Each question is worth 4 points, if answered correctly and completely. **Due Wednesday, May 13 at noon.**

1. The most constant and available source of site-generated energy is

- A. the sun
- B. the wind
- C. running water (e.g., brook, stream, river)
- D. none of the above is constant and available for all sites**

7. You hear a sound from a dinner bell that measures 5dBA. How much further from the bell can you roam and still be able to hear it?

- A. not one step further
- B. not quite twice as far**
- C. twice as far
- D. four times as far

14. The type of room that is most likely to have a significant free field

- A. is a lively room for symphonic performance
- B. is a classroom for elementary school
- C. is a large dead space**
- D. a fast food restaurant

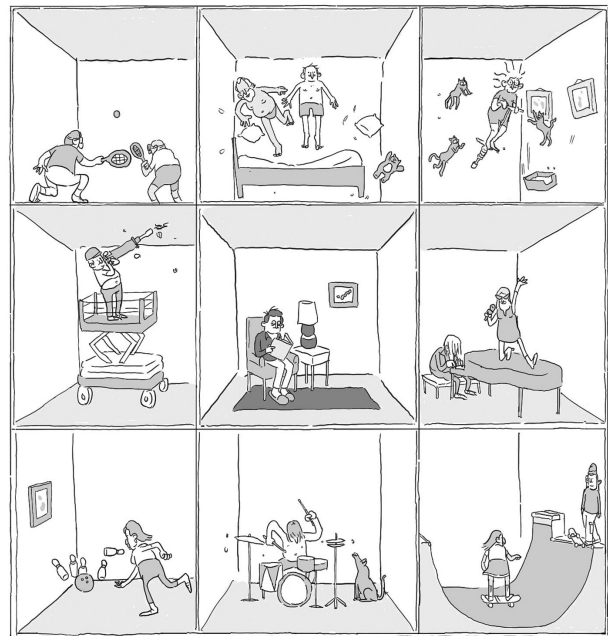
19. A technique to accurately predict the quality of a planned auditorium is

- A. by auralization**
- B. by using a small physical scale model
- C. by simple ray tracing
- D. by using a sophisticated 3-D computer model

model

20. What acoustic issue properly explains the cartoon to the right?

- A. structure-borne sound**
- B. free field acoustics
- C. acoustic independence**
- D. sound absorption and reflection



C. TOM