

Chapter 21 Quiz

→ Which of the following has nothing to do with EM waves?

- ◆ (a) Dental x-rays
- ◆ (b) Radio broadcasting
- ◆ (c) Strumming a guitar
- ◆ (d) Cooking a microwave dinner
- ◆ (e) Responding with your HITT transmitter

Chapter 21 Quiz

- A grain of interplanetary dust is in the Sun's gravitational field. Ignoring all other influences, is it possible for the grain to move away from the Sun?
- ◆ (a) Yes, if the grain is sufficiently large
 - ◆ (b) Yes, if the grain is sufficiently small
 - ◆ (c) No, it cannot escape the Sun's gravitational field

Chapter 21 Quiz

- Which statement is true? The energy carried by an electromagnetic wave in a vacuum
- ◆ (a) propagates at the speed of light
 - ◆ (b) consists of only electric field contributions
 - ◆ (c) propagates along the direction of the electric field
 - ◆ (d) consists of E and B fields pointing in the same direction
 - ◆ (e) none of the above