

Specific Action - in our own realms

Quiz

1. What can be said about the “average” American’s greenhouse gas emissions?
 - a. We each are responsible for about 16 ½ metric ton of carbon dioxide each year
 - b. Over 30% of are emissions come from our homes- heating and cooling together with other home energy use
 - c. About 28% of our emissions come from transportation, most (about 90%) of that is from our motor vehicles
 - d. What we eat and waste (14%) and other stuff we buy (26%) accounts for our “indirect” emissions
 - e. All the above
2. True or False: A worthy first step in taking action on a building’s emissions is to determine how much energy of what type is being consumed, and estimate the resulting emissions.
3. Which of the following strategies can be useful in lowering or eliminating a building’s emissions?
 - a. Consider recommendations from a professional energy audit.
 - b. Reduce energy consumption by efficiency and conservation measures (such as improving insulation, reducing air leaks, upgrading appliance and HVAC systems, lowering thermostat settings in winter and raising them in summer, replacing lighting with LEDs, heatig water with the sun).
 - c. Electrify (almost) everything and transition to a zero emissions source of electricity (such as solar)
 - d. For new buildings, design and build to meet DOE’s Zero Energy standard
 - e. All the above
4. Which of the following can reduce your transportation emissions?
 - a. Avoid driving, use public transportation
 - b. Reduce or eliminate long distance travel
 - c. Take care to choose your means of long-distance travel (train is best, plane is worst)
 - d. Shift to zero emission means of transportation (i.e., EV charged from solar energy, bike)
 - e. All the above
5. True or false? When it comes to what we eat, red meat and cheese have the most impact on emissions. If cattle were their own nation, they would be the world’s third-largest emitter of greenhouse gases.

6. Which of the following will reduce atmospheric carbon levels?
 - a. A plant-rich diet
 - b. Support for community sponsored agriculture (CSAs)
 - c. Reducing food waste by buying less and using food recovery programs
 - d. Composting
 - e. All the above
7. Things we can each do to put a dent in the emissions related to the stuff we buy include:
 - a. Buy less stuff
 - b. Purchase recycled or reclaimed (used) articles
 - c. Repair/refurbish things, instead of discarding them and buying new
 - d. Avoid emission heavy concrete and steel materials in favor of sustainably grown wood (certified as sustainably grown -FSC -Forest Stewardship Council)
 - e. All the above.
8. Proven ways to sequester carbon include:
 - a. Farming practices such as silvopasture, regenerative agriculture, composting and fertilizer/nutrient management.
 - b. Increased use of native landscapes
 - c. Reduction/elimination of fertilizers and pesticides
 - d. Reforestation projects
 - e. All the above.
9. Which of the following is true of Offsets?
 - a. Offsets are a way to pay someone to reduce atmospheric carbon
 - b. Offsets cannot replace the good we do by reducing emissions or sequestering carbon in our realm
 - c. An optimum strategy would be to act boldly (reducing emissions or sequestering carbon) in our own realm **and** buy offsets
 - d. All the above
 - e. None of the above
10. Which of the following is true of refrigerant management?
 - a. Refrigerants (F gases) are very potent heat trapping gasses
 - b. About 90% of refrigerant emissions happen at end of life
 - c. Effective disposal of air conditioners, refrigerators, dehumidifiers, etc. is essential
 - d. Refrigerant management is so significant that it is the #1 solutions to Drawdown global warming
 - e. All the above

Answers: 1e, 2 True, 3e, 4e, 5 True, 6e, 7e, 8e, 9d, 10e

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