

Answer to iClicker Question #4A (Evolution 7)

Which of the following sets of organisms are all members of the same species?

- A. broccoli, cauliflower, brussels sprouts. *These are all the same species: Brassica oleracia*
- B. tomato (*Lycopersicon esculentum*), potato (*Solanum tuberosum*), deadly nightshade (belladonna) (*Atropa belladonna*) are all in the family Solanaceae.
- C. cow (*Bos taurus*), pig (*Sus scrofa*), sheep (*Ovis aries*)
- D. human (*Homo sapiens*), chimpanzee (*Pan troglodytes*)

Therefore, only (A) is correct.

Answer to iClicker Question #4B (Evolution 7)

All of the listed scenarios could lead to reproductive isolation and thus to the formation of new species. In some cases, if you look closer, a more complex argument could be made; for this question, only a superficial analysis was required.

- A) Geographical Isolation
- B) With different pollinators, they cannot mate.
- C) With different mating times, they cannot mate.
- D) Geographical (really habitat) isolation.

So the only correct answer is (E).