

Answer to iClicker Question #10A (Themes 4)

Which of the following is(are) true?

- A. All organisms reproduce using eggs and sperm. *False - bacteria, viruses, and fungi do not use eggs and sperm.*
- B. All diploid organisms reproduce using eggs and sperm. *False - fungi do not use eggs and sperm.*
- C. Some eukaryotic organisms can live as haploids. *True - the gametophyte in plants and some parts of fungal life cycles live as haploids.*

So the correct answer is (C).

Answer to iClicker Question #10B (Themes 4)

Which of the following is(are) true about sexual reproduction in eukaryotes?

- A. it always involves eggs and sperm. *False - see above.*
- B. it always involves meiosis. *True.*
- C. it always involves formation of a heterokaryon. *False - only fungi have a heterokaryotic life stage.*

So the correct answer is (B).