## 2.3 QUIZ QUESTION 1 (1 point possible)

Which of the following is/are true about the Aloha protocol?

- [ ] It is based upon frequency division multiplexing.
- [x] If a node has data to transmit, it first checks the channel, and if there is a potential collision, the node waits a random amount of time before transmitting.
- [ ] If there are N nodes, then each node only has access to 1/N of the channel capacity.
- [x] If there are no other nodes transmitting, a node can transmit at the full channel rate. ✔
- [x] Collisions reduce utilization. ✔

✖

Note: Make sure you select all of the correct options—there may be more than one!

**EXPLANATION**

Aloha is a random access protocol, so nodes access the channel whenever they have data to transmit. This may introduce collisions.

*You have used 2 of 2 submissions*