

Name: _____

1. The Internet Engineering Task Force (IETF) defines the protocols and standards for how the Internet works. The members of the IETF are:
 - a) An International coalition of government agencies who oversee the Internet in their countries.
 - b) The worldwide leaders of the Tier 1 Internet service providers.
 - c) A loosely organized collection of citizens and engineers who communicate mostly by email.
 - d) Political leaders and heads of state.
 - e) There are no members. IETF is an “organization” in name only.

2. Choose the two best answers to complete the sentence: If I understand how the Internet works, then I will be able to:
 - a) make informed choices to support or oppose decisions my government makes about access to the Internet.
 - b) connect the latest devices to the Internet.
 - c) make informed choices about my privacy on the Internet.
 - d) get the best price for my cell phone plan.
 - e) speed up my downloads of movies I purchase.

3. Choose two: Pick the two statements about packets and routing on the Internet which are true.
 - a) Packets travelling across the Internet take a standardized amount of time and so can be counted on to arrive in the order they were sent.
 - b) TCP ensures messages can be reliably transmitted across the Internet.
 - c) TCP depends on the infrastructure of the Internet to be reliable enough to ensure no packets are lost in transmission.
 - d) TCP must account for the fact that packets may not arrive at a destination computer in the intended order.

4. Which of the following is NOT true about packets?
 - a) Packets are numbered, so if they arrive out of order, the message can be reassembled.
 - b) A message sent across the Internet can always be contained in a single packet.
 - c) Packets are routed on different paths from sender to receiver.
 - d) The receiver computer must confirm to the sending computer that each packet was received.

5. In your own words, what were the primary obstacles you needed to overcome in today’s challenge? How do these obstacles mirror actual problems encountered on the Internet?

6. Define Packets

7. Define TCP