Elementary Robotics FC Tour

Quiz

Name _____ Class _____

Directions:

At each stop on the tour, answer all the comprehension questions.

Stop	Comprehension Question	Answer
Welcome Watch this Tour Stop in: Video 1	**1.** What was the fastest Amazon has ever delivered a customer order?	A) Under 3 minutes **B) Under 30 minutes** C) About 1 hour D) About 3 hours
Welcome Watch this Tour Stop in: Video 2	**2.** The robots used to carry the pods are an example of _____. **3.** The robots know where to go because ___ programs its path using code.	**2.** **A) Hardware** B) Software C) Algorithm D) System **3.** A) Hardware **B) Software** C) Sensors D) System
Pick Watch this Tour Stop in: Video 3	**4.** How does Amazon organize and store items in each fulfillment center?	A) Alphabetically by name B) By their purpose (cleaning supplies, art supplies, sports items, clothes, etc). C) By their color (orange items, green items, blue items). **D) Randomly — no organization method**

Pick Watch this Tour Stop in: Video 4	**5.** After the item is placed in a tote, the picker taps a sensor. The sensor is an example of _____. **6.** Hardware, software, and people work together at a pick station to form a _____.	**5.** A) Software **B) Algorithm** C) Hardware D) System **6.** A) Sensor **B) System** C) Database D) Algorithm
Pack Watch this Tour Stop in: Video 5	**7.** How does a packer choose the right sized box?	A) Years of training with the experts at our Packing Dojo **B) Following on screen commands based on previously recorded item measurements** C) Using rulers and tape measures on each item and working out the math for each order D) Pick the box which simply looks big enough
Pack Watch this Tour Stop in: Video 6	**8.** ____ tells a packer exactly which box to use for the items they are packing. **9.** The tape dispenser that spits out the right amount of tape is an example of _____.	**8.** A) Hardware B) Sensors C) Robots **D) Software** **9.** **A) Hardware** B) Sensors C) Robots D) Software
Ship Watch this Tour Stop in: Video 7	**10.** How does Amazon check that an order is correct if the box is already sealed?	**A) Weighs the item as it goes over the conveyor belt** B) Uses an X-Ray to check the item inside is correct C) Uses the robotic arm to rattle the box and microphones to listen for the correct sound D) It doesn't perform any more checks, you are trying to trick us

Ship Watch this Tour Stop in: Video 8	**11.** The SLAM station uses an algorithm to see if an order is correct. The algorithm is an example of _____. **12.** The SLAM algorithm looks up the expected weight of the items from ___.	**11.** A) Hardware **B) Software** C) Systems D) Databases **12.** A) Hardware B) Software C) Sensors **D) A database**
Career Spotlight Watch this Tour Stop in: Video 9	**13.** What is an engineer?	A) A person who identifies problems and develops creative solutions using science and math **B) A person who designs and builds products, machines, systems, or structures** C) A person who tests and improves existing technologies to make them safer and more efficient D) A person who researches new materials and methods for sustainable construction
Conclusion Watch this Tour Stop in: Video 10	**14.** What did we learn during today's tour?	A) How Amazon uses automation and robotics to sort and move packages **B) How hardware, software, and people work together to deliver Amazon orders** C) How data and algorithms help plan the fastest delivery routes D) How Amazon teams ensure quality and safety at every step of the process

{ Thank you for joining us on an Amazon Future Engineer Career Tour! }