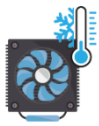
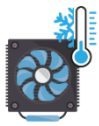
AWS Data Center Tour 2
Keeping Data Safe and Sustainable

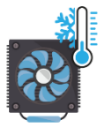
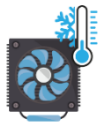
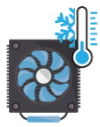
Quiz

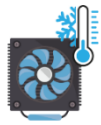
Name _____ Class _____

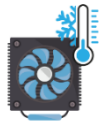
Directions:

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

Stop	Comprehension Question	Answer
Inro  Watch Video 1	**1.** What is one benefit of storing data in the cloud?	A) It creates a local backup directly on your device's hard drive **B) It allows you to store and access files without using up your phone's storage space** C) It automatically organizes your files into folders based on their content D) It lets you access your files only from the device where you originally saved them
Keeping It Cool  Watch Video 2	**2.** What causes computers to get hot? **3.** What natural process do you think we use to cool down data centers?	**2.** A) **Electrical energy gets converted to heat energy** B) Sunlight heats up the internal hardware C) Light carrying data produces heat D) Little fires inside computers power the processor **3.** A) Photosynthesis B) **Evaporation** C) Erosion D) Burning E) Pollination F) Decomposition

Keeping It Cool  Watch Video 3	**4.** _____, such as the air conditioning and building systems, are designed to keep the servers at an ideal temperature.	A) Evaporation B) Thermal energy C) **Infrastructure** D) Computers
Keeping It Cool  Watch Video 4	**5.** What does the team take care of?	A) The software and operating systems that run on the servers inside the data center **B) The facilities (the buildings) that house "the cloud"** C) The network connections between different data centers across the country D) The customer support requests that come in when a service goes down
Back Those Things Up  Watch Video 5	**6.** Which of the following issues must data centers be prepared for?	A) Natural disasters (i.e. flooding and earthquakes) B) Spike in temperatures C) Power outages D) Equipment Failure E) Fire **F) All of the answers are correct**
Back Those Things Up  Watch Video 6	**7.** Which other infrastructure at data centers do you think have redundancy (backups)? **8.** Data centers have lots of backup equipment like electrical and cooling systems in case technology fails. This is an example of _____.	**7.** A) electrical systems B) water pumps C) fire suppression **D) All of the answers are correct** **8.** **A) Redundancy** B) electrical energy C) thermal energy D) infrastructure

Back Those Things Up  Watch Video 7	**9.** The team works hard to keep the servers at "100% uptime." Which three examples does Tiffany give of what this helps customers do?	**A) Never lose their data, access the website they want, and watch movies they're streaming** B) Upload files to the cloud, run virtual machines, and manage their databases C) Stream music, back up their photos, and use voice assistants like Alexa D) Shop online, track their deliveries, and manage their smart home devices
Security  Watch Video 8	**10.** Does someone have to physically be at a data center to get access to servers?	A) Yes B) **No** C) I have no idea
Security  Watch Video 9	**11.** When data is protected with _____, it is scrambled so only authorized computers can read the information.	**A) Encryption** B) machine learning C) malware D) evaporation
Security  Watch Video 10	**12.** What does the AWS Security Operations Center protect?	A) The internal employee network, including email systems and office devices **B) The physical and cyber security of the AWS data centers** C) The customer accounts and their login credentials for AWS services D) The supply chain and delivery logistics for hardware components

Sustainability  Watch Video 11	**13.** True or False: Data centers are better for the environment than each individual company hosting and processing their own data? **14.** What do you think carbon zero means? **15.** Using renewable energy instead of fossil fuels reduces _____ released into the environment.	**13.** **A) True** B) False **14.** A) Catching carbon dioxide in a net so it doesn't go into the atmosphere B) A soda with 0 carbon dioxide in it C) Carbon dioxide that is 0 degrees Celsius D) **Releasing zero carbon dioxide when producing electricity** **15.** A) Evaporation B) Malware **C) Carbon dioxide** D) Water
Sustainability  Watch Video 12	**16.** AWS makes sure more water is returned to the community than is used to cool a data center. This is an example of being _____.	**A) Water positive** B) Carbon zero C) Cyber secure D) Redundant

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