

Compression & Memory

Aloe Blacc Video Worksheet

Name:

Date:

As you watch the video, answer the following questions:

What are the four main tasks that computers need to perform to be considered a "thinking machine"?

1. What was Aloe Blacc's motivation for learning to build a website and use coding?
 - a. To have a stronger online presence as an artist
 - b. To learn a new hobby
 - c. To earn more money
 - d. To connect with fans
2. What is the key difference between lossy and lossless compression?
 - a. Lossy compression discards some information, while lossless compression does not.
 - b. Lossy compression is faster, while lossless compression is slower.
 - c. Lossy compression is used for images, while lossless compression is used for text.
 - d. Lossy compression is more effective, while lossless compression is less effective.
3. What example does the video use to illustrate lossless compression?
 - a. Compressing a book about dogs
 - b. Compressing a song's lyrics
 - c. Compressing a high-definition video
 - d. Compressing a digital image
4. What is the purpose of the text compression widget shown in the video?
 - a. To demonstrate how data compression works
 - b. To allow users to compress their own text
 - c. To create compressed versions of song lyrics
 - d. To compare the size of compressed and uncompressed text
5. What is the main benefit of data compression that the video highlights?
 - a. It reduces the storage space required for digital information.
 - b. It improves the speed of data transmission over the internet.
 - c. It enhances the quality of digital media like music and videos.
 - d. It makes it easier to share digital content with others.

