1. What is the main advantage of compression?

A. It can reduce the file size of a file
B. It can improve the quality of a file
C. It can speed up the process of encoding a file
D. It can improve the quality of a file while reducing the file size

2. Which of the following is NOT a type of compression?

A. Lossless
B. Lossy
C. Reversible
D. Irreversible

3. Which of the following is an example of lossless compression?

A. JPEG
B. GIF
C. PNG
D. TIFF

4. Which of the following is an example of lossy compression?

A. JPEG
B. GIF
C. PNG
D. TIFF

5. Which of the following is an example of irreversible compression?

A. JPEG
B. GIF
C. PNG
D. TIFF

6. Which of the following is an example of reversible compression?

A. JPEG
B. GIF
C. PNG
D. TIFF

7. Which of the following is NOT a factor in deciding whether to use lossless or lossy compression?

A. The type of file being compressed
B. The file size
C. The quality of the file
D. The desired file size

8. Which of the following is NOT a type of data compression?

A. Run-length encoding
B. Huffman coding
C. Arithmetic coding
D. Substitution coding

9. What is the main disadvantage of lossy compression?

A. It can reduce the file size of a file
B. It can improve the quality of a file
C. It can speed up the process of encoding a file
D. Some information is lost in the compression process

10. What is the main advantage of lossless compression?

A. It can reduce the file size of a file
B. It can improve the quality of a file
C. It can speed up the process of encoding a file
D. No information is lost in the compression process

11. Which of the following is an example of a file that should be compressed using lossless compression?

A. A text document
B. A JPEG image
C. A PNG image
D. A TIFF image

12. Which of the following is an example of a file that should be compressed using lossy compression?

A. A text document
B. A JPEG image
C. A PNG image
D. A TIFF image

13. Which of the following is NOT a type of image compression?

A. Run-length encoding
B. Vector quantization
C. Fractal compression
D. Predictive coding

14. Which of the following is an example of a file that can be compressed using vector quantization?

A. A text document
B. A JPEG image
C. A PNG image
D. A TIFF image

15. Which of the following is an example of a file that can be compressed using fractal compression?

A. A text document
B. A JPEG image
C. A PNG image
D. A TIFF image

16. Which of the following is an example of a file that can be compressed using predictive coding?

A. A text document
B. A JPEG image
C. A PNG image
D. A TIFF image

17. Which of the following is NOT a type of video compression?

A. MPEG
B. JPEG
C. H.264
D. DivX

18. Which of the following is an example of a file that can be compressed using MPEG compression?

A. A text document
B. A JPEG image
C. A PNG image
D. A TIFF image

19. Which of the following is an example of a file that can be compressed using H.264 compression?

A. A text document
B. A JPEG image
C. A PNG image
D. A TIFF image

20. Which of the following is an example of a file that can be compressed using DivX compression?

A. A text document
B. A JPEG image
C. A PNG image
D. A TIFF image

1. D. It can improve the quality of a file while reducing the file size
2. D. Irreversible
3. C. PNG
4. A. JPEG
5. D. TIFF
6. B. GIF
7. C. The quality of the file
8. D. Substitution coding
9. D. Some information is lost in the compression process
10. D. No information is lost in the compression process
11. A. A text document
12. B. A JPEG image
13. D. Predictive coding
14. D. A TIFF image
15. D. A TIFF image
16. B. A JPEG image
17. D. DivX
18. D. A TIFF image
19. C. A PNG image
20. C. A PNG image