

Q6. What is a pixel?: _____

Q7. What causes aliasing?: _____

Q8. Imagine that you use 2 fair coin flips to choose each character to send in a message. How many different characters appear in your message? How much surprise is in your message? Can your message be losslessly compressed? Explain.

Q9. Why is UTF-8 a popular format for text encoding?

Q10. Use the following table to write Unicode codepoints 00E9 and 2A6D6 in UTF-8:

Bits	Last code point	Byte 1	Byte 2	Byte 3	Byte 4
7	U+007F	0xxxxxxx			
11	U+07FF	110xxxxx	10xxxxxx		
16	U+FFFF	1110xxxx	10xxxxxx	10xxxxxx	
21	U+1FFFFF	11110xxx	10xxxxxx	10xxxxxx	10xxxxxx

Q11. Write in B for bitmap or V for vector in the blank in front of each statement, whichever fits better:

Saves space
 Scales poorly
 Fast
 Not so fast
 Uses lots of space
 Scales well

Q12. Do you like p5.js? _____