## Feedback — Quiz 3: Computing Technology

Help Center

Authentication is not required for this quiz.

You submitted this quiz on **Tue 4 Aug 2015 10:09 PM PDT**. You got a score of **9.00** out of **10.00**.

Question 1		
A computer algorithm is		
Your Answer	Score	Explanation
A protocol for transmitting data over a network		
A description of the memory organization within a computer		
A program written in a computer language such as C++, Python, or Perl		
A precise specification of all the steps needed to compute a solution to a problem	<b>✓</b> 1.00	
Total	1.00 /	
	1.00	

### **Question 2**

You can make a program more efficient by

Your Answer	Score	Explanation
Recompiling it on a different computer		
Using a faster computer		

Re-designing the algorithm to require fewer steps	<b>✓</b> 1.00
Running it on the Amazon cloud	
Total	1.00 / 1.00

Score	Explanation
<b>✓</b> 1.00	
1.00 / 1.00	
	<b>✓</b> 1.00

Question 4			
A programming language is			
Your Answer		Score	Explanation
Anything written in Python			
The way we describe high-level algorithms			
A formal language used to instruct computers what to do	<b>~</b>	1.00	
A method for translating between languages such as English and French			
Total		1.00 /	
		1.00	

### **Question 5**

Software engineering involves

Your Answer		Score	Explanation
All of these options	~	1.00	
Ocumenting computer code so that others can understand it			
Testing programs on a wide range of examples to see if they perform as expected			
O Debugging computer code			
Total		1.00 / 1.00	

# **Question 6**

Bowtie, TopHat, and Cufflinks are

	Score	Explanation
<b>~</b>	1.00	
	1.00 /	
	1.00	
	•	1.00 /

# **Question 7**

Sequence alignment refers to

Your Answer		Score	Explanation
Making sure that all the DNA sequences in a file use the same format			
O Determining the amino acid sequence produced by translating a DNA sequence			
Shuffling the positions in a sequence to randomize them			
<ul> <li>Lining up two DNA sequences so that positions with the same base match one another</li> </ul>	~	1.00	
Total		1.00 /	
		1.00	

# **Question 8**

A software pipeline for RNA sequence (RNA-seq) analysis will

Your Answer		Score	Explanation
<ul> <li>Compare cases to controls and determine which genes were responsible for any differences in phenotype</li> </ul>	×	0.00	
Process large raw sequence files into a summary table showing which genes were present			
Create a database in which one can efficiently store and retrieve results			
<ul> <li>Evaluate the best RNA-seq protocol for minimizing sequencing artifacts</li> </ul>			
Total		0.00 /	
		1.00	

Total

# Question 9 Which of the following is not a computer operating system? Your Answer Score Explanation ● Google Drive ✓ 1.00 Microsoft Windows RedHat Linux Unix

1.00 / 1.00

Explanation