1.	A computer algorithm is
	A precise specification of all the steps needed to compute a solution to a problem
	A protocol for transmitting data over a network
	A program written in a computer language such as C++, Python, or Perl
	A description of the hardware and software capabilities of a computer
2,	You can make a program more efficient by
	Re-designing the algorithm to require fewer steps
	Recompiling it on a different computer
	Running it on the Amazon cloud
	Replacing your hard drives with faster solid state drives
3.	DNA sequences can be represented efficiently using
	Two bits for each of the 4 possible bases
	The SAM alignment format
	The compressed BAM file format
	One byte for each of the 4 possible bases

4.	A programming language is
	A formal language used to instruct computers what to do
	A web-based environment for building computer programs
	Anything written in Python
	A method for translating between languages such as English and French
5.	Software engineering involves
	O Documenting computer code so that others can understand it
	Updating code so that it remains compatible with other software systems.
	Testing programs on a wide range of examples to see if they perform as expected
	All of these options
6.	Bowtie, TopHat, and Cufflinks are
	Programs for analysis of RNA-seq (transcriptome) data sets
	A web-based system for browsing genome data
	Elements of men's formal evening wear
	Programs for determining the function of a gene

7.	Sequence alignment refers to
	Lining up two DNA sequences so that positions with the same base match one another
	Making sure that all the DNA sequences in a file use the same format
	O Shuffling the positions in a sequence to randomize them
	O Determining the amino acid sequence produced by translating a DNA sequence
8.	A software pipeline for RNA sequence (RNA-seq) analysis will
	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
	Automatically update all software to the latest version
	Ompare cases to controls and determine which genes were responsible for any differences in phenotype
9.	Which of the following is not a computer operating system?
	○ Mac OS X
	Microsoft Windows
	O RedHat Linux
	Google Drive

10. A d	ata set large enough to overwhelm the main memory of a computer would
0	Contain more than 1000 genomes' worth of data
0	Use uncompressed files rather than compressed ones
()	Be larger than the available RAM
0	Be at least 100 gigabytes in size