1.	Genome assembly refers to
	The process whereby a cell copies its DNA
	A computational process to translate highlevel code into machinelevel instructions
	A computational method to identify the genes being expressed in a cell or tissue
	A computational method for reconstructing chromosomes from short reads
2.	Which of the following is not true about DNA?
	DNA molecules can be millions of bases in length
	It doesn't matter which direction you write the sequence in
	Each strand has a direction
	It is a doublestranded molecule

3.	RNA molecules are translated into
	O Introns
	Modified RNA molecules
	O DNA molecules
	Proteins
4.	Messenger RNA is
	A template from which proteins are constructed by ribosomes
	A special signal that helps a cell communicate with other cells
	A reverse copy of DNA
	The genetic material inherited by offspring

5.	DNA is copied into DNA in order to
	Respond to an infection
	Create species diversity
	Replicate a cell
	Fix errors in the DNA sequence
6.	Evolutionary biology involves the study of
	The process of natural selection that allows some DNA mutations to survive and cause others to die out
	How the cell membrane is formed
	The process through which RNA is exported from the nucleus
	The origin of the very first living organisms
7.	Which of the following can we measure with next generation sequencing?
	DNA-protein binding
	O Cell structure
	O Protein levels
	RNA secondary structure

8.	What is the first step in ChIP-sequencing to measure protein-DNA binding?
	Fragmenting the DNA
	O Sequencing the bound DNA fragments
	Antibody pulldown of the linked proteinDNA fragments
	Cross-linking proteins to the DNA
9.	Which of the following can be measured using bisulfite conversion and then sequencing?
	O DNA variants
	DNA methylation
	O RNA abundances
	Transcription-factor binding

10. What is	s the primary measurement technology used in most modern genomics experiments?
O 01	igonucleotide arrays
○ Sa	inger sequencing
○ Na	anopore sequencing
O Po	olymerase chain reaction
Ne	ext generation sequencing
O w	estern blotting