1.	The central dogma of molecular biology tells us that information is passed from
	O DNA to methylation to RNA to protein
	DNA to RNA to protein
	RNA to DNA to protein
	O NA to epigenetics to protein
2.	Which of the following is one of the major drivers of the sequencing revolution that began after 2008?
	Decreased cost of sequencing
	O Sequencing for precision medicine
	O Decreased computational analysis time
	Easier access to proteomic data

3.	Which of the following is an exclusive characteristic of genomics compared to traditional biology?
	Studies considering the entire genome
	O Low throughput experiments
	Targeted studies of one or a few genes
	Clever experimental design
4.	Genomic data science involves techniques from which of these disciplines?
	All of the these options
	Molecular Biology
	O Computer Science
	○ Statistics
5,	Which of the following is an activity that genomic data scientists do not perform?
	Sample collection
	O Population genomics
	Experimental design
	Integrative genomics

6.	Which of these is not one of the DNA nucleic acids?
	Alanine
	O Adenine
	O Cytosine
	O Thymine
7.	Transcription is a process that converts DNA to
	Opolymerases
	Any other molecule
	genes
8.	The cost to sequence a human genome today, in U.S. dollars, is approximately
	None of these options
	○ \$30 million
	\$20,000
	\$1000

9.	DNA	A encodes instructions for
	•	Producing all the proteins that a person requires for life
	0	Helping us digest food
	0	Enveloping viruses that infect a cell
	0	Regulating body temperature
10	. One	e major difference between humans and bacteria is
	•	Human cells have a nucleus, and bacterial cells do not.
	0	The human genome is made of DNA, while bacteria are made of RNA.
	0	Human genes are first transcribed to RNA, while bacterial genes are not.
	0	Human proteins are made of combinations of 20 amino acids, while bacterial proteins use a smaller set of 12 amino acids.