1.	Consider the assignment that goes with this lesson and its algorithm for finding a gene with stop codon TAA.	1 / 1 point			
	Consider the following DNA string.				
	"AAATGCCCTAACTAGATTAAGAAACC"				
	Which one of the following is the gene returned using that algorithm?				
	The empty string.				
	ATGCCCTAACTAGATTAA				
	ATGCCCTAA				
	Note: This is the correct answer.				
	○ ATGCCC				
	○ ccc				
2.	Which one of the following replaces the String variable dna with the lowercase version of this string?	1 / 1 point			
0	<pre>1 dna = toLowerCase(dna);</pre>				
0	<pre>1 dna.toLowerCase() = dna;</pre>				

0	1 dna.toLowerCase();	
•	<pre>1 dna = dna.toLowerCase();</pre>	
$\bigcirc$	) Correct Correct!	
	After adding two additional parameters to findSimpleGene for the startCodon and stopCodon, which of the following is another change that must be made for the program to compile?	1 / 1 point
(	Two arguments must be added to the call to findSimpleGene.	
(	Two return statements must be added to findSimpleGene	
(	Two if statements must be added to testSimpleGene	
(	Two if statements must be added to findSimpleGene.	
	Suppose that stringa is in stringb at position pos. Which one of the following returns the part of stringb that comes after stringa in the method lastPart?	1 / 1 point
•	<pre>1 return stringb.substring(pos+stringa.length());</pre>	

0	1	return stringb.substring(pos);	
0	1	<pre>return stringb.substring(pos, stringa.length());</pre>	
0	1	return stringb - stringa;	
$\bigcirc$	) Correc Correc		
	occurre	ethod twoOccurrences, suppose pos is the value of the first nce of stringa when stringa is found. Which of the following lines of signs pos2 to the second occurrence of stringa if there is a second nce?	1 / 1 point
•	1	<pre>pos2 = stringb.indexOf(stringa, pos+1);</pre>	

0	1	<pre>pos2 = stringb.indexOf(stringa);</pre>
0	1	<pre>pos2 = stringb.indexOf(stringa, pos);</pre>
0	1	<pre>pos2 = indexOf(stringb, stringa, pos);</pre>
(V)	) Correc	ot

Correct!

```
URLResource file = new URLResource("http://someURL");
1
2
        for (String item : file.words()) {
               String itemLower = item.toLowerCase();
3
4
               int pos = itemLower.indexOf("youtube.com");
5
               if (pos != -1) {
                MISSING CODE
6
7
                   }
8
        }
```

Which one of the following is the missing code to find and print all the YouTube URLs?

```
int beg = item.lastIndexOf("\"",pos);
int end = item.indexOf("\"", pos+1);
System.out.println(item.substring(beg+1,end));
```

```
1 indexOf("\"",pos-9);
2 int end = item.indexOf("\"", pos+1);
3 System.out.println(item.substring(beg+1,end));
```

```
1 int beg = itemLower.lastIndexOf("\"",pos);
2 int end = itemLower.indexOf("\"", pos+1);
3 System.out.println(itemLower.substring(beg+1,end));
```

```
1 int beg = item.indexOf("\"", pos-6);
2 int end = item.lastIndexOf("\"", pos+1);
3 System.out.println(item.substring(beg+1,end));
```

```
1 int beg = item.lastIndexOf("\"");
2 int end = item.lastIndexOf("\"", pos+1);
3 System.out.println(item.substring(beg+1,end));
```

```
1 int beg = itemLower.indexOf("\"",pos-9);
2 int end = itemLower.indexOf("\"", pos+1);
3 System.out.println(itemLower.substring(beg+1,end));
```

**⊘** Correct

Correct!