Antibiotic resistance is the ability of a microbe to resist the effect of medication previously used to treat them. There are three mechanisms in which resistance occurs:

1. Natural resistance in certain types of bacteria
2. Genetic mutation
3. One species acquires resistance from another species.

Your task will be to draft a persuasive proposal arguing one of the following two stances regarding antibiotic resistance:

1. **Antibiotic resistance is driving evolution/natural selection to occur more rapidly for both bacteria and humans than the natural order.**

**OR**

1. **The evolution/natural selection of bacteria and humans is responsible for antibiotic resistance.**

You will research, find evidence, and provide 2 arguments that support your stance. You will first introduce your paper by answering the following questions:

1. What is the mechanism antibiotics use to destroy bacterial infections?
2. When did scientists/doctors first realise that antibiotic resistance was a problem? What finally convinced them that this is an issue that must be addressed?
3. What is currently being done to prevent antibiotic resistance from becoming worse?
4. Do you agree with the currents efforts? Why? Or what else do you think can/should be done. \*\*\* *HINT – think of new research!!!*

Your proposal must be typed and in paragraph/essay format. I will not accept anything that is handwritten, or in point form.

Due date is: **January 9th/10th, 2019**

**NAME:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Stance: A or B**

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|  | **EMERGING** | **DEVELOPING** | **PROFICIENT** | **EXTENDING** | **SCORE** |
| **Organization** | -Organizes ideas with limited effectiveness  -Gaps in content or repeated content | -Organizes ideas with some effectiveness  -Gaps in content | -Organizes ideas with considerable effectiveness  -Some repetition in content | -Organizes ideas with a high degree of effectiveness  -No repetition or gaps in content |  |
| **Evidence for Argument 1** | -Evidence for argument was not well supported, and did not really agree with stance chosen.  -Did not evaluate information for accuracy, relevance, and completeness. | -Evidence for argument was supported, and somewhat agreed with stance chosen.  -Evaluated some aspects of the information; may not notice some flaws | -Evidence for argument was well supported and agreed with stance chosen.  -Evaluated information for accuracy, relevance and completeness | -Evidence for argument was very well supported, and agreed with stance chosen.  -Evaluated information thoroughly for accuracy, relevance and completeness. |  |
| **Evidence for Argument 2** | -Evidence for argument was not well supported, and did not really agree with stance chosen.  -Did not evaluate information for accuracy, relevance, and completeness. | -Evidence for argument was supported, and somewhat agreed with stance chosen.  -Evaluated some aspects of the information; may not notice some flaws | -Evidence for argument was well supported and agreed with stance chosen.  -Evaluated information for accuracy, relevance and completeness | -Evidence for argument was very well supported, and agreed with stance chosen.  -Evaluated information thoroughly for accuracy, relevance and completeness. |  |
| **Background Information** | -Little to no background information was researched  -Did not gather sufficient relevant information | -Some background information was researched  -Gathered some relevant information, may be partially incomplete | -Background information was well researched  -Gathered sufficient, relevant information | -Background information was very well researched  -Gathered highly appropriate relevant information |  |
| **Current Efforts Opinion** | -Opinions are either not offered or not supported by evidence | - Opinions are not well developed, little supporting evidence | -Has well developed opinions and supporting evidence | -Has very well developed opinions and supporting evidence |  |
| **Sources** | 1 source is provided | 2 sources are provided | 3 sources are provided | 3-4 sources are provided APA style |  |
| **TOTAL** | **/24 marks** | | | | |