INNOVATION – CREATIVE AND CRITICAL THINKING

Understanding thinking

Name: ________________________________

Read the facts about creative and critical thinking and answer the questions below. Some answers will be right there for you, but others may require you to use your brain power!

1. List four examples of requirements for purposeful and productive thinking.
   1. ________________________________________________
   2. ________________________________________________
   3. ________________________________________________
   4. ________________________________________________

2. What does the idea of ‘developing a problem solving mindset’ mean to you?
   ________________________________________________
   ________________________________________________
   ________________________________________________
   ________________________________________________

3. Which of the following is NOT a tip listed to help you develop a problem solving mindset? Circle your answer.
   a. Play with the problem
   b. Work with others
   c. Make sure you keep all your ideas a secret until the end of a project
   d. Take your time
   e. Don’t focus on getting the one right answer
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4. How do you think breaking a problem into smaller parts might help you solve a difficult problem?

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________________________________________________________________________

5. What is ‘not necessarily a bad thing’?

________________________________________________________________________

6. List the steps in the five-step simple approach to problem solving.

1. ________________________________

2. ________________________________

3. ________________________________

4. ________________________________

7. What did Reverend John Flynn invent?

________________________________________________________________________

8. According to the facts, what happened in 1923?

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________
9. Why do you think J Hagemann invented Mortein?

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________________________________________________________________________

10. What invention do you think is the most important of all time and why?

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11. In the 1870s, which two people produced the equipment that would eventually become the telephone?

1. ______________________________________

2. ______________________________________

12. What does ‘IP’ stand for?

________________________________________________________________________

13. If you could invent any new product or service, what would it be and why would you invent it?

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