	<p>MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES  ONSITE WASTEWATER TREATMENT PROGRAM  <b>REGISTERED OWTS PROFESSIONALS</b>  <b>CEU EXERCISE</b></p>	<p>FOR DHSS USE ONLY</p> <hr/> <p>Date Paid:</p> <hr/> <p>Check # and Amount:</p>
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**\$22.50 CEU FEE**

## Operation and Maintenance Guidelines Chapter 2 – Aeration Treatment Units Questionnaire #124

**Spring 2016**  
**Available for a limited time**

To receive 1.5 CEUs, a check or money order for **\$22.50** must be received with this completed Internet Exercise. We will accept business or personal checks, or money orders for payment. We cannot accept credit cards or purchase orders. **Make check or money order payable to the Missouri Department of Health & Senior Services** and mail to:

**Missouri Department of Health and Senior Services**  
**Attention: Fee Receipts**  
**P.O. Box 570**  
**Jefferson City, MO 65102-0570**

<p>For Continuing Education Unit (CEU) credit, the linked article, complete the following questionnaire, return the completed questionnaire and a <b>\$22.50 fee</b> by mail to:  <b>DHSS, Attn: Fee Receipts, Onsite Wastewater Treatment Program, P.O. Box 570, Jefferson City, MO 65102.</b></p> <p>Missouri Department of Health and Senior Services  Onsite Wastewater Treatment Program  An Onsite Wastewater Treatment System Owner’s Manual  <b>Chapter 2: Aeration Treatment Units</b> (to select Chapter 2 for printing, after opening the link, please go to page 2, <b>Table of Content</b> and click on <b>Chapter 2</b>. In your print screen, print from page 14 to 21)  <a href="http://health.mo.gov/living/environment/onsite/pdf/SystemOwnersManual.pdf">http://health.mo.gov/living/environment/onsite/pdf/SystemOwnersManual.pdf</a></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td rowspan="3" style="writing-mode: vertical-rl; transform: rotate(180deg);"><b>Total General CEUs</b></td> <td colspan="5"><b>Select Units</b></td> </tr> <tr> <td colspan="2"><b>Installer</b></td> <td rowspan="2"><b>Inspector</b></td> <td rowspan="2"><b>OSE</b></td> <td rowspan="2"><b>Perc Tester</b></td> </tr> <tr> <td><b>Basic</b></td> <td><b>Advanced</b></td> </tr> <tr> <td style="text-align: center;"><b>1.5</b></td> <td style="text-align: center;"><b>1.5</b></td> <td style="text-align: center;"><b>1.5</b></td> <td style="text-align: center;"><b>1.5</b></td> <td style="text-align: center;"><b>0</b></td> <td style="text-align: center;"><b>0</b></td> </tr> </table>	<b>Total General CEUs</b>	<b>Select Units</b>					<b>Installer</b>		<b>Inspector</b>	<b>OSE</b>	<b>Perc Tester</b>	<b>Basic</b>	<b>Advanced</b>	<b>1.5</b>	<b>1.5</b>	<b>1.5</b>	<b>1.5</b>	<b>0</b>	<b>0</b>
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<b>1.5</b>	<b>1.5</b>	<b>1.5</b>	<b>1.5</b>	<b>0</b>	<b>0</b>															

I, \_\_\_\_\_  
     
Last First Middle Initial Professional ID Number(s)

have read the documents listed above and completed the following questions:

<b>Signature</b>	<b>Contact Phone Number</b>	<b>Date</b>
<b>Email Address</b>	<b>Fax Number</b>	

**Please read Chapter 2, Aeration Treatment Units and answer the following questions.**

1. Explain how an ATU is sized.

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2. List four (4) "musts" of design and construction of an ATU:

- 1) \_\_\_\_\_
- 2) \_\_\_\_\_
- 3) \_\_\_\_\_
- 4) \_\_\_\_\_

3. ATUs use \_\_\_\_\_ treatment while septic tanks use \_\_\_\_\_ treatment.

4. List the three (3) objectives Management Model II ensure discusses.

- 1) \_\_\_\_\_  
\_\_\_\_\_
- 2) \_\_\_\_\_  
\_\_\_\_\_
- 3) \_\_\_\_\_  
\_\_\_\_\_

5. When are septic tank systems not suitable?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

6. ATUs provide high-quality wastewater treatment only when:

\_\_\_\_\_

7. Do most homeowners have the experience to keep an ATU in good working order? Explain.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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8. What happens when the mixed liquor possesses an excessive amount of solids?

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9. Being aware of a malfunctioning system is important. List four (4) signs of failure and explain what is happening with each.

1) \_\_\_\_\_

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2) \_\_\_\_\_

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3) \_\_\_\_\_

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4) \_\_\_\_\_

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10. Choose four (4) ATU "Do's" and explain why each statement is important.

1) \_\_\_\_\_

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2) \_\_\_\_\_

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3) \_\_\_\_\_

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4) \_\_\_\_\_

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11. Choose four (4) ATU "Don'ts" and explain why each should not be done.

1) \_\_\_\_\_

\_\_\_\_\_

2) \_\_\_\_\_

\_\_\_\_\_

3) \_\_\_\_\_

\_\_\_\_\_

4) \_\_\_\_\_

\_\_\_\_\_

12. List three (3) inspection items and explain what will happen if not maintained.

1) \_\_\_\_\_

\_\_\_\_\_

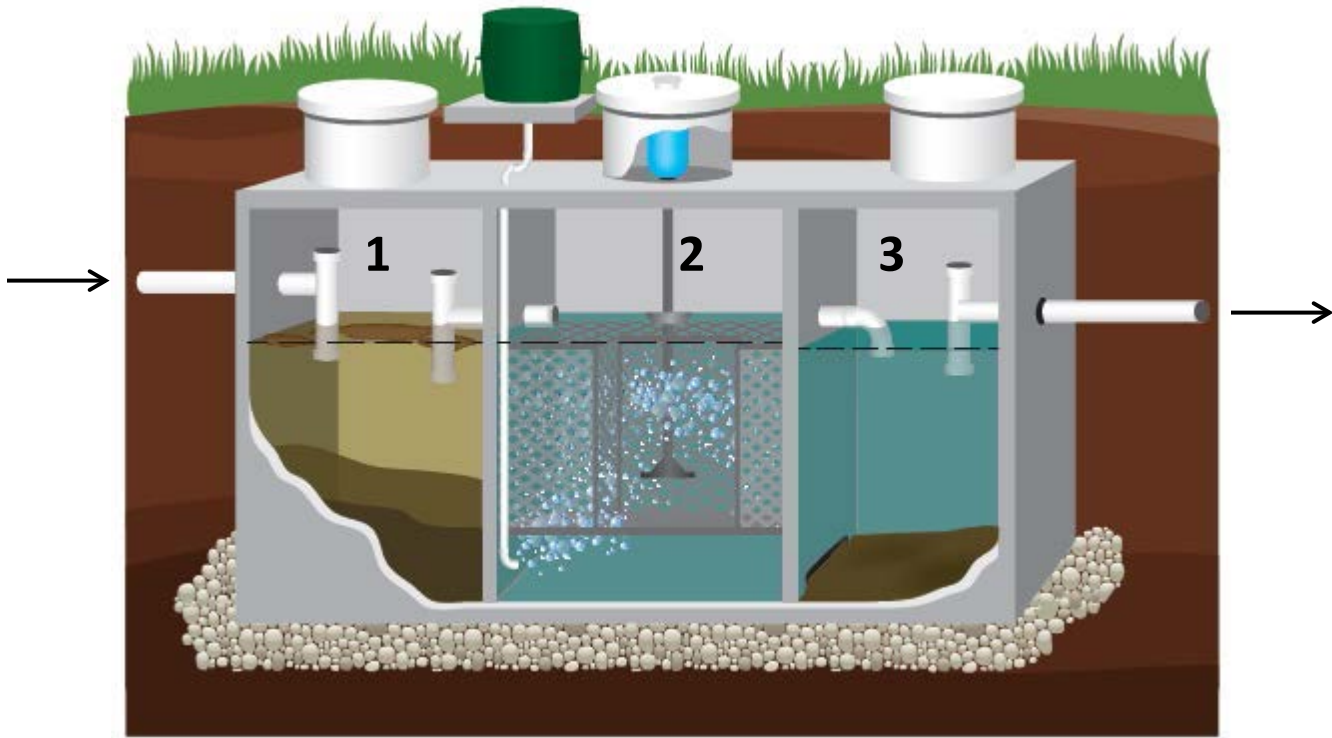
2) \_\_\_\_\_

\_\_\_\_\_

3) \_\_\_\_\_

\_\_\_\_\_

Label & explain the function of each chamber used inside this ATU.



1) \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

2) \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

3) \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_