

**APPENDIX A**  
**QUESTIONNAIRE**

**Relationship between Environmental Awareness and Environmentally Friendly Behavior: A case study of Solid Wastes Management of the Department of Environmental Quality Promotion**

This questionnaire is a part of a research paper as a partial fulfillment of the requirements for Master of Art in English for Careers Language Institute, Thammasat University. This questionnaire is used to measure the degree of awareness and the degree of environmentally friendly behavior, aiming to find out the relationship between them. I can assure you that your response will be treated with strictly confidence and will be used for the research purpose only. Your cooperation in answering this questionnaire is highly appreciated.

**Instruction** please read the following statement and mark ✓ in the box provided

**Part I: Demographic Information**

- |                   |                          |                       |                          |                  |                          |          |                          |       |
|-------------------|--------------------------|-----------------------|--------------------------|------------------|--------------------------|----------|--------------------------|-------|
| 1. Gender         | <input type="checkbox"/> | male                  | <input type="checkbox"/> | female           |                          |          |                          |       |
| 2. Age            | <input type="checkbox"/> | 21- 30                | <input type="checkbox"/> | 31-40            | <input type="checkbox"/> | 41-50    | <input type="checkbox"/> | 51-60 |
| 3. Position       | <input type="checkbox"/> | governmental official | <input type="checkbox"/> | Employee         |                          |          |                          |       |
|                   | <input type="checkbox"/> | Temporary Employee    | <input type="checkbox"/> | other.....       |                          |          |                          |       |
| 4. Religion       | <input type="checkbox"/> | Buddhism              | <input type="checkbox"/> | Islam            |                          |          |                          |       |
|                   | <input type="checkbox"/> | Christianity          | <input type="checkbox"/> | other.....       |                          |          |                          |       |
| 5. Education      | <input type="checkbox"/> | Undergraduate         | <input type="checkbox"/> | Bachelor degree  |                          |          |                          |       |
|                   | <input type="checkbox"/> | Master degree         | <input type="checkbox"/> | Doctorate degree |                          |          |                          |       |
| 6. Martial Status | <input type="checkbox"/> | Single                | <input type="checkbox"/> | Married          | <input type="checkbox"/> | Divorced |                          |       |
|                   | <input type="checkbox"/> | Separated             | <input type="checkbox"/> | other.....       |                          |          |                          |       |
| 7. Salary         | <input type="checkbox"/> | Less than 11,000      | <input type="checkbox"/> | 11,000 – 20,000  |                          |          |                          |       |
|                   | <input type="checkbox"/> | 20,001 – 30,000       | <input type="checkbox"/> | More than 30,000 |                          |          |                          |       |

**Part II: Knowledge on solid wastes management**

Please read the following sentences carefully, and then mark ✓ in the box (YES or NO) that you think the right answer

	Yes	No
<p>1. <b>Solid Wastes</b> is all kind of unwanted objects that people leave such as pieces of cloth, remnants of foods, vegetables, feces, carrion, ashes, and dust</p> <p>2. <b>Garbage</b> is remains of foods, vegetables, carrion of animals, and materials left from cooking mostly founded in fresh market.</p> <p>3. <b>Garbage</b> is easily decomposed because comprises organic matters. If garbage was left untended for a long period, it would decay and produce smell.</p> <p>4. <b>Rubbish</b> means wastes both flammable and inflammable which do not easily decay such as pieces of papers, glasses, cans, bottles, wood, metals, branches, ash and dust.</p> <p>5. <b>Compostable Waste</b> means organic matters in waste that can be decomposed by micro organisms by bio-chemical reaction.</p> <p>6. <b>Non Compostable Waste</b> means inorganic matter that hardly decompose by bio-chemical reaction such as remains of metals plastic bags, etc.</p> <p>7. <b>Hazardous Waste</b> produced from households such as fluorescent light, used batteries, and pesticide bottles can be dumped in the same place as general waste</p> <p>8. An important cause of excessive amount of solid wastes comes from human negligence</p> <p>9. <b>Paper</b> can be decomposed within 2-5 months</p>		

	Yes	No
<p>10. Littering solid wastes in the stream is not the main factor affecting the declining quality of water</p> <p>11. Plastic bags take more than 200 years to decompose</p> <p>12. Lifestyle and attitude of a person regulate the consuming behavior that affect the distribution of solid wastes</p> <p>13. Composting is an effective way to deal with the compostable waste like food, fruits and vegetables scraps.</p> <p>14. The important feature of classifying wastes is cost</p> <p>15. The concept or 3R's in reducing waste is Recycle, Reuse and Return</p> <p>16. The amount of compostable waste is the least when compared to other wastes produced from human activity</p> <p>17. When classifying glass, apart from its condition, we can classify it by colors.</p> <p>18. Recycle means the process of recovering the material by putting it into industrial procedures (Material recovery).</p> <p>19. Reuse means making the most of the materials before discarding e.g. use both side of paper.</p> <p>20. Sanitary landfill cause the release of Methane, inflammable gas, so it needs a tube for releasing</p> <p>21. Paper naturally take 2-5 days to decompose, but if was piled up, it would take nearly 50 years to decompose</p> <p>22. . Leachate causes an area to become dirty and depleted so that no species of plants can grow</p>		

	Yes	No
23. Incineration eradicates wastes by burning it at the temperature 800 Degree Celsius		
24. Recycle waste comprises only paper, glass , and plastic		
25. Foam never decomposes.		

**Please classify the following solid wastes by putting them into the appropriate trash can**

<b>Solid wastes</b>	Recycle can	Compostable waste can	Non-compostable waste Can	Hazardous waste can
1. Piece of paper 2. Peel of orange 3. Leather shoes 4. Soda pop can 5. Plastic bag 6. Cleaning liquid container 7. Spray color can 8. Cover of the electrical line 9. Remnant of fruits 10. Cooking oil bottle 11. Rubber sandal 12. Expired battery				

<b>Solid wastes</b>	Recycle can	Compostable waste can	Non-compostable waste Can	Hazardous waste can
13. Fluorescent and light bulb 14. Cigarette butts 15. Drinking water bottle 16. Instant noodles package 17. Foam stained with foods 18. Insecticides container 19. Remains of vegetables 20. Leaves 21. Piece of glass 22. Newspaper 23. Glass bottle 25. Used tissue paper 26. Diapers 28. Fish sauce cap 29. Video tape cassette 30. Automobile battery				

**Part III : the Environmentally Friendly behavior on solid wastes management**

Please read the following statements carefully, and then rate the degree of frequency of your environmental practice in the box provided, which mostly reflects your behavioral practices on solid wastes management issues

**Remarks:** 5 - 1 means the degree of frequency of the environmentally friendly behavior of the subjects

5 means you always practice

4 means you usually practice

3 means you practice every time when it is affordable

2 means you rarely practice

1 means you never practice

Environmentally friendly behavior on solid wastes management at <b>workplace</b>	5	4	3	2	1
1. I use compostable material such as paper bags banana leaves instead of plastic bags. 2. I reuse the plastic bags and bottles to reduce the distribution of wastes 3. I classify solid wastes before discarding 4. I use a solar energy calculator instead of using a battery energy one 5. I make effective use of material; for example, I use a handkerchief instead of tissue paper					

Environmentally friendly behavior on solid wastes management at <b>workplace</b>	5	4	3	2	1
<p>6. I use both sides of a piece of paper</p> <p>7. I sort out the liquid before discarding scraps of food</p> <p>8. I wrap up the expired battery with plastic bag before putting it in the trash can provided</p> <p>9. I make the recovery of used materials such as creating a trash bin from the carton of milk</p> <p>10. I support the idea of reducing the amount of waste by buying recycled materials such as recycled glass, dish, and paper</p>					

Environmentally friendly behavior on solid wastes management <b>at home</b>	5	4	3	2	1
<ol style="list-style-type: none"> <li>1. I repair the ruined objects such as a broken chair leg to be in use again</li> <li>2. I avoid using hazardous product like pesticide, but instead using bio-products for eradicating insects and weeds</li> <li>3. I sort out the liquid before throwing away scraps of food</li> <li>4. I bring a water container when buying beverages</li> <li>5. I reuse Plastic bags</li> <li>6. I use plastic and cloth bags when shopping at market.</li> <li>7. I use food containerd instead of plastic and cloth bagd</li> <li>8. I reuse a drinking bottle or bowl by using it as the plant's container</li> <li>9. I refuse a plastic bag when buying a few stuffs</li> <li>10. I reduce using the non compostable materials like foam and plastic.</li> </ol>					