

## 8 SCIENCE ENERGY EFFICIENCY ASSIGNMENT 2016

Name: \_\_\_\_\_

Form: \_\_\_\_\_



Teacher: \_\_\_\_\_

Due date: \_\_\_\_\_

# MARKING KEY

### Plagiarism

You must write in your own words, not copy sentences word for word from another student or another source.

Plagiarising = instant zero on assignment and you will have to re-do it.

### Assessment policy

Give me a sick note/legitimate reason from parent BEFORE due date = new negotiated due date.

One day late = -20% taken off mark

Two days late = -40% taken off mark

Three days late = mark of zero given

After three days, students are required to attend a detention and are still required to submit the assignment.

**If you are not at school the day this assignment is due, please email it to your teacher by 4pm on the due date.**

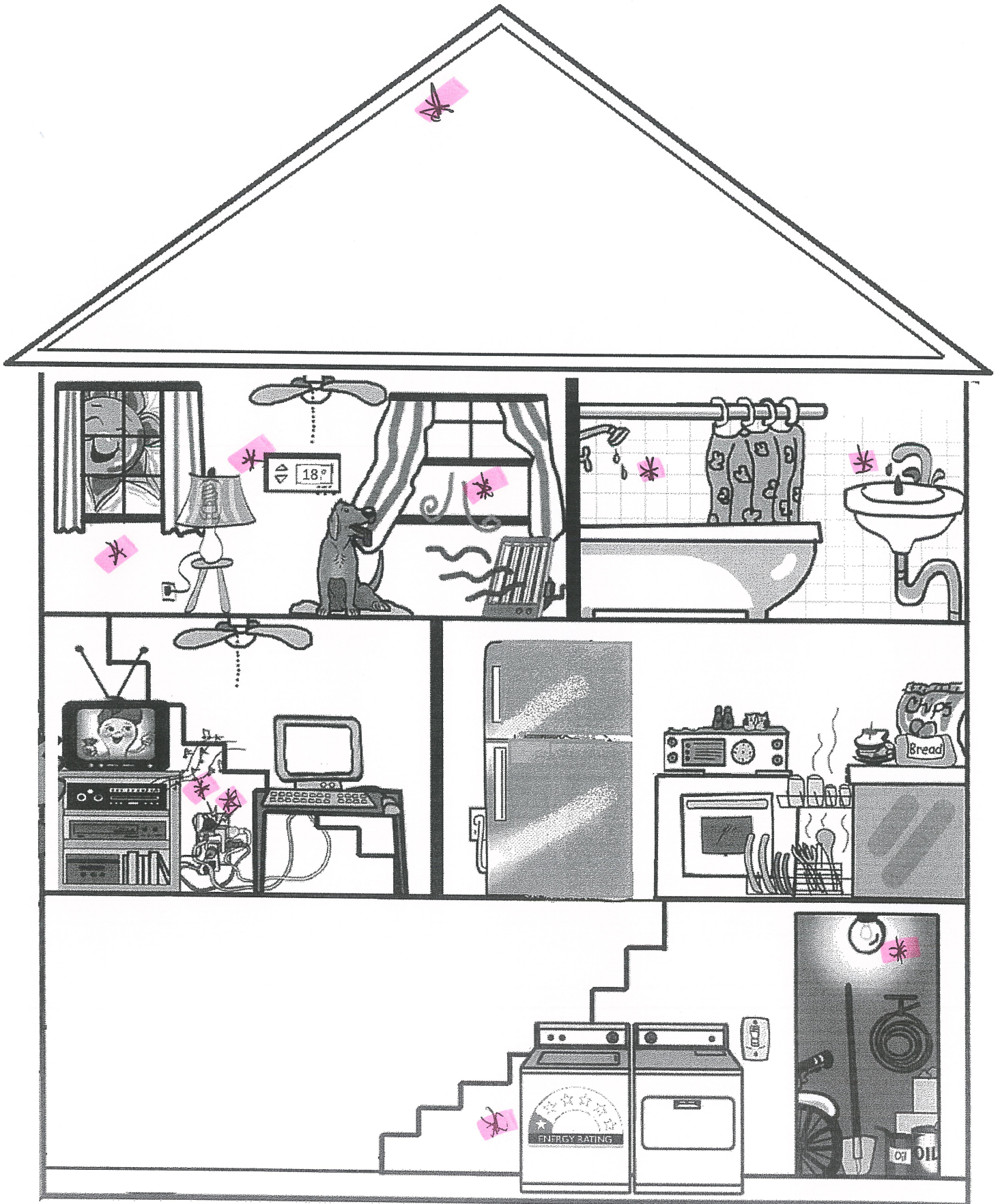
**Teacher email: \_\_\_\_\_@aranmore.wa.edu.au**

# MARKING KEY

**Aim:** to investigate different ways to improve energy efficiency in the home.

## SECTION 1: ANALYSE THE HOME

1. On the picture of the house below, mark clearly six situations where energy is not being used efficiently. Place a number (1-6) and colour the number in highlighter so it can be clearly seen.



2. In the table below, next to each number, describe how energy is not being used efficiently and describe how you could make the situation more energy efficient. (12 marks)

Situation number	Describe how energy is not being used efficiently or is being wasted	Describe how you could make the situation more energy efficient and waste less energy
1 (eg)	<ul style="list-style-type: none"> <li>- light left on basement</li> <li>- light in basement not energy saver globe</li> <li>- window left open while air con is on</li> <li>- curtains open allowing heat inside</li> </ul>	
2	<ul style="list-style-type: none"> <li>- Aircon on low</li> <li>- no insulation in roof</li> <li>- tv on while music is playing</li> <li>- too many appliances turned on &amp; plugged in at once</li> </ul>	
3	<div style="border: 1px solid black; border-radius: 50%; padding: 20px; text-align: center; width: fit-content; margin: auto;"> <p>one mark per box</p> </div>	
4		
5		
6		