

# BMM3643 Manufacturing Processes

## Joining Processes – Fusion Welding

### Individual Assignment 6

by

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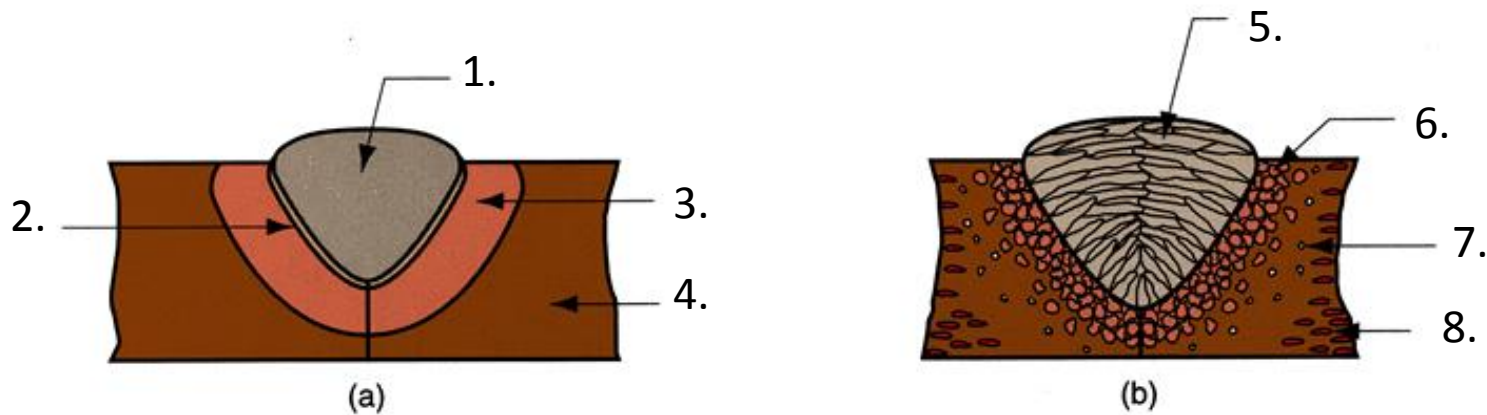
# Individual Assignment 6 - Fusion Welding

- Aims
  - Able to differentiate types of fusion welding; consumable and non-consumable welding
  - Type of welded joint and defects welding
- Expected Outcomes
  - Understand and able to apply the knowledge in order to select the suitable welding process for different application
  - Able to propose the solution to avoid defects in welding



# Fusion Welding

1. Label the figure below in correct order.



2. What are the similarities and differences between consumable and non consumable electrodes? Please answer in table form.

	Consumable	Non-consumable
Similarities		
Differences		

# Fusion Welding

3. List and draw types of defects that usually occurred in welding process.

i. \_\_\_\_\_

ii. \_\_\_\_\_

iii. \_\_\_\_\_

iv. \_\_\_\_\_

v. \_\_\_\_\_

vi. \_\_\_\_\_

viii. \_\_\_\_\_

ix. \_\_\_\_\_

4. Select two defects in question 2 and purpose the possible solution to avoid these defects.



# Individual Assignment 6 Format

Please remember to **include the questions** given in the assignments. **Cover page** of the assignment should include:

1. Your Name & No. Matric
2. Section
3. Lecturer's Name
4. Submission date

Late submission also will be penalized.

