Magnetism and Forces Assessment Handout

Student Name: _____	**Class:** _____
Student ID: _____	**Date:** {{DATE}}

Assessment Details

Duration: 1 hour	**Total Marks:** 50
Topics Covered:	• Magnetism • Forces • Everyday uses of magnets

Instructions to Students:

1. Read all questions carefully before attempting.
2. Show all working out - marks are awarded for method.
3. Calculator use is permitted except where stated otherwise.
4. Write your answers in the spaces provided.
5. If you need more space, use the additional pages at the end.
6. Time management is crucial - allocate approximately 1 minute per mark.

Section A: Multiple Choice [10 marks]

Question 1 **[2 marks]**

What is a magnet?

A) A type of rock

B) A type of metal that attracts certain materials

C) A type of plant

D) A type of animal

Question 2 **[2 marks]**

Which of the following is an example of magnetic attraction?

A) A magnet pushing another magnet away

B) A magnet pulling a paper clip towards it

C) A magnet having no effect on a piece of wood

D) A magnet making a balloon float

Question 3 **[2 marks]**

What happens when two magnets with the same poles (north-north or south-south) are brought together?

A) They attract each other

B) They repel each other

C) They stick together

D) Nothing happens

Section B: Short Answer Questions [20 marks]

Question 4 **[5 marks]**

Describe what happens when a magnet is brought near a paper clip.

Question 5 **[5 marks]**

Give an example of how magnets are used in everyday life.

Question 6 **[5 marks]**

Draw a simple diagram to show the concept of magnetic attraction and repulsion.

Section C: Interactive Quiz [20 marks]

Question 7 **[5 marks]**

What is the name of the force that acts between two magnets?

Question 8 **[5 marks]**

Which material is commonly used to make magnets?

Question 9 **[5 marks]**

What is the purpose of a magnet in a refrigerator?

Conclusion

Thank you for completing the Magnetism and Forces assessment handout! Your answers will help us understand your knowledge and understanding of magnetism and forces. Remember to ask your teacher if you have any questions or need help with any of the activities.

Assessment Criteria

The following criteria will be used to assess your work:

- Identify basic properties of magnets
- Recognize the concept of magnetic attraction and repulsion
- Demonstrate understanding of everyday uses of magnets

Note to Teachers

Please provide clear instructions and guidance to students during the assessment. Ensure students have access to necessary materials and equipment. Use the assessment results to inform instruction and adjust teaching strategies to meet the needs of students.

Differentiation Options

The following differentiation options are available:

- For students with visual impairments, provide large print or braille versions of the assessment
- For students with hearing impairments, provide written instructions and subtitles or closed captions for the interactive quiz
- For students with physical disabilities, provide adaptive technology and accessible materials
- For English language learners, provide the assessment in their native language and a bilingual dictionary or translator if needed

Bloom's Taxonomy Alignment

The following Bloom's Taxonomy levels are aligned with this assessment:

- Knowledge: Section A (Multiple Choice Questions) and Section C (Interactive Quiz)
- Comprehension: Section B (Short Answer Questions)
- Application: Section B (Short Answer Questions) and Section C (Interactive Quiz)

Multiple Intelligence Approaches

The following multiple intelligence approaches are used in this assessment:

- Visual-Spatial: Section B (Short Answer Questions) and Section C (Interactive Quiz)
- Linguistic: Section A (Multiple Choice Questions) and Section B (Short Answer Questions)
- Logical-Mathematical: Section A (Multiple Choice Questions) and Section C (Interactive Quiz)