

Chapter 21 Magnetism

Section 21.1 Magnets and Magnetic Fields**(pages 630–633)**

This section describes magnetic forces and magnetic fields. Characteristics of magnetic materials also are discussed.

Reading Strategy (page 630)

Using Prior Knowledge Before you read, copy the diagram below and add what you already know about magnets to the diagram. After you read, revise the diagram based on what you learned. For more information on this Reading Strategy, see the **Reading and Study Skills** in the **Skills and Reference Handbook** at the end of your textbook.



1. In the year 1600, William Gilbert published a book explaining the properties of _____.

Magnetic Forces (page 630)

2. Is the following sentence true or false? Magnetic force can be exerted on moving charges, as well as on iron or on another magnet.

3. What did William Gilbert discover when he used a compass to map forces around a magnetic sphere? _____
4. Circle the letter of each sentence that is true about magnetic force.
- a. Two magnets that approach each other may attract or repel.
 - b. Magnetic forces do not vary with distance.
 - c. Opposite magnetic poles repel one another.
 - d. Magnetic forces act over a distance.

Section 21 1 Magnets Answers

M Tight



Section 21 1 Magnets Answers:

The Enigmatic Realm of **Section 21 1 Magnets Answers**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing short of extraordinary. Within the captivating pages of **Section 21 1 Magnets Answers** a literary masterpiece penned by way of a renowned author, readers embark on a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting affect the hearts and minds of those who partake in its reading experience.

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web solution 1 the two half reactions balanced as if in acidic solution $2\text{CN}^- + \text{Au} + \text{CN}^- + 2\text{e}^- + 2\text{H}^+ + \text{O}_2 \rightarrow 2\text{HCN} + 2\text{H}_2\text{O}$ make electrons equal convert to basic solution $4\text{CN}^- + 2\text{Au} + 2\text{CN}^- + 2\text{e}^-$ multiplied by a factor of 2 $2\text{e}^- + 2\text{H}_2\text{O} + \text{O}_2 \rightarrow 2\text{H}_2\text{O} + 2\text{OH}^-$ the final answer

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web aug 29 2023 the first step to balance any redox reaction is to separate the reaction into half reactions the substance being reduced will have electrons as reactants and the oxidized substance will have electrons as products usually all reactions are written as reduction reactions in half reaction tables

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web we can balance it for charge by adding two electrons to the right side of the equation so that the net charge on each side is 0 oxidation $\text{Ni} \rightarrow \text{Ni}^{2+} + 2\text{e}^-$ now that the oxidation half reaction is balanced it tells us that two electrons are produced for every atom of nickel oxidized but where do those electrons go

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web in the redox equation below that occurs in our stomach which of the following pairs identifies the reducing and oxidizing

agents respectively c 6 h 8 o 6 2h 2no 2 c 6 h 6 o 6 2h 2 o 2no choose 1 answer c 6 h 8 o 6 and no 2 a c 6 h 8 o 6 and no 2 no
2 and c 6 h 8 o 6 b no 2 and c 6 h 8 o 6 h and no 2 c h and