

Lead-In

Discussing the matter in groups of three, state whether the following sentences are true or false, and correct the false one

1. Heating a magnetic iron bar, makes it to loose its magnetic properties
2. Magnetic poles are able to generate electric charges
3. Is possible to separate magnetic poles as for positive and negative electric charges

Match the terms (1-12) to their corresponding definitions (a-l):

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| 1. lodestone | <input type="checkbox"/> | a. a slender, rod-shaped rigid piece of metal, of different lengths having one end pointed and the other enlarged and flattened, for hammering into or through wood, other building materials, etc.. |
| 2. generator | <input type="checkbox"/> | b. very small pieces of iron that look like a light powder. |
| 3. nail | <input type="checkbox"/> | c. a machine that converts mechanical energy into electrical energy, as a dynamo |
| 4. coil | <input type="checkbox"/> | d. a hand tool for turning a screw, consisting of a handle attached to a long, narrow shank, usually of metal, which tapers and flattens out to a tip that fits into the slotted head of a screw. |
| 5. wire | <input type="checkbox"/> | e. a light vehicle on runners, usually open and generally horse-drawn, used especially for transporting persons over snow or ice. |
| 6. to spin | <input type="checkbox"/> | f. a small, slender, rodlike instrument, usually of polished steel, with a sharp point at one end and an eye or hole for thread at the other, for sewing. |
| 7. screwdriver | <input type="checkbox"/> | g. a yard for the collection, storage, and resale of junk. |
| 8. quarter | <input type="checkbox"/> | h. a connected series of spirals or rings into which a rope or the like is wound. |
| 9. junkyard | <input type="checkbox"/> | i. a slender, stringlike piece or filament of relatively rigid or flexible metal. |
| 10. sleigh or sledge | <input type="checkbox"/> | j. to cause to turn around rapidly, as on an axis; twirl; whirl: |
| 11. iron filings | <input type="checkbox"/> | k. a kind of mineral that possesses magnetic polarity and attracts iron. |
| 12. needle | <input type="checkbox"/> | l. a coin of 25 cents of some currency |