

Electricity and magnetism

IGCSE Physics • Vocabulary

Write each word 3 times.

English	Write it 3 times (English)		
 magnet /'mæɡnɪt/	_____	_____	_____
 poles /pəʊlz/	_____	_____	_____
 north pole /nɔːθ pəʊl/	_____	_____	_____
 south pole /saʊθ pəʊl/	_____	_____	_____
 repel /rɪ'pel/	_____	_____	_____
 repulsion /rɪ'pʌlʃn/	_____	_____	_____
 attract /ə'trækt/	_____	_____	_____
 attraction /ə'trækʃn/	_____	_____	_____
 magnetic material /mæg'netɪk mə'tɪəriəl/	_____	_____	_____
 induced magnetism /ɪn'djuːst 'mæɡnɪtɪzəm/	_____	_____	_____
 soft iron /sɒft 'aɪən/	_____	_____	_____
 magnetise /'mæɡnɪtaɪz/	_____	_____	_____
 temporary magnet /'temprəri 'mæɡnɪt/	_____	_____	_____
 steel /stiːl/	_____	_____	_____
 permanent magnet /'pɜːmənənt 'mæɡnɪt/	_____	_____	_____

English**Write it 3 times** (English)



unmagnetised

/ʌn'mæɡnɪtaɪzd/



magnetic field

/mæɡ'netɪk fi:ld/



region

/'ri:dʒn/

magnetic field
lines

/mæɡ'netɪk fi:ld laɪnz/



iron filings

/'aɪən 'faɪlɪŋz/



compass

/'kʌmpəs/



electromagnet

/ɪˌlektɹəʊ'mæɡnɪt/



electric charge

/ɪˌlektɹɪk tʃɑ:dʒ/



positive charge

/'pɒzɪtɪv tʃɑ:dʒ/



negative charge

/'negətɪv tʃɑ:dʒ/



electron

/ɪˌlektɹɒn/

charging by
friction

/'tʃɑ:dʒɪŋ baɪ 'frɪkʃn/



conductor

/kən'dʌktə/



insulator

/'ɪnsju:lətə/



coulomb

/'ku:ləm/



electric field

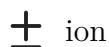
/ɪˌlektɹɪk fi:ld/



point charge

/pɔɪnt tʃɑ:dʒ/

English**Write it 3 times** (English)



ion

/'aɪən/



electric current

/'iːlektrɪk 'kʌrənt/



ampere

/'æmpɪə/



ammeter

/'æmɪtə/



analogue

/'ænəlɒɡ/



digital

/'dɪdʒɪtl/



ranges

/'reɪndʒɪz/



free electrons

/'friː ɪ'lektɹɒnz/

conventional
current

/'kɒn'venʃənəl 'kʌrənt/



direct current

/'daɪ'rekt 'kʌrənt/

alternating
current

/'ɔːlternetɪŋ 'kʌrənt/



mains supply

/'meɪnz sə'plaɪ/



energy

/'enədʒi/



volt

/'vɒlt/

electromotive
force

/'iːlektɹəʊ'məʊtɪv fɔːs/



circuit

/'sɜːkɪt/

English**Write it 3 times** (English)



potential
difference

/pə'tenʃl 'dɪfrəns/



voltmeter

/'vɒltmɪ:tə/



resistance

/rɪ'zɪstəns/



ohm

/əʊm/



variable resistor

/'veəriəbl rɪ'zɪstə/



directly
proportional

/daɪ'rektli prə'pɔːʃənl/



inversely
proportional

/ɪn'vɜːsli prə'pɔːʃənl/



cross-sectional
area

/krɒs 'sekʃənl 'eəriə/



resistor

/rɪ'zɪstə/



filament lamp

/'fɪləmənt læmp/



diode

/'daɪəd/



electrical power

/ɪ'lektɪkl 'paʊə/



watt

/wɒt/



electrical energy

/ɪ'lektɪkl 'enədʒi/



joule

/dʒuːl/



kilowatt-hour

/'kɪləwɒt 'aʊə/

English**Write it 3 times** (English)



appliance

/ə'plaɪəns/



heater

/'hi:tə/



cell

/sel/



battery

/'bætəri/



power supply

/'paʊə sə'plai/



switch

/swɪtʃ/



fuse

/fju:z/



thermistor

/'θɜ:mɪstə/

light-dependent
resistor

/laɪt dɪ'pendənt rɪ'zɪstə/

light-emitting
diode

/laɪt ɪ'mɪtɪŋ 'daɪəd/



relay

/'ri:leɪ/



motor

/'məʊtə/



bell

/bel/



transformer

/træns'fɔ:mə/



series

/'sɪəri:z/



parallel

/'pærəlel/



total resistance

/'təʊtl rɪ'zɪstəns/

English**Write it 3 times** (English)



junction

/'dʒʌŋkʃn/



potential divider

/pə'tenʃl dɪ'vaɪdə/



hazard

/'hæzəd/



insulation

/ɪnsju:'leɪʃn/



overheating

/ɪəʊvə'hi:tɪŋ/



damp

/dæmp/



overloading

/ɪəʊvə'ləʊdɪŋ/



socket

/'sɒkɪt/



live wire

/laɪv 'waɪə/



neutral wire

/'nju:trəl 'waɪə/



earth wire

/ɜ:θ 'waɪə/



fuse rating

/fju:z 'reɪtɪŋ/



trip switch

/trɪp swɪtʃ/



casing

/'keɪsɪŋ/



earthed

/ɜ:θt/



double-insulated

/'dʌbl 'ɪnsju:leɪtɪd/



solenoid

/'səʊlənɔɪd/



coil

/kɔɪl/

English**Write it 3 times** (English)

 loudspeaker

/'laʊdspɪ:kə/

 electromagnetic
induction

/ɪˌlektɹəmæg'netɪk

ɪn'dʌkʃn/

 Fleming's
right-hand rule

/'flemɪŋz raɪt hænd ru:l/

 a.c. generator

/ˌeɪ 'si: 'dʒenəreɪtə/

 slip rings

/slɪp rɪŋz/

 brushes

/'brʌʃɪz/

 Fleming's
left-hand rule

/'flemɪŋz left hænd ru:l/

 deflect

/dɪ'flekt/

 turning effect

/'tɜ:nɪŋ ɪ'fekt/

 d.c. motor

/ˌdi: 'si: 'məʊtə/

 split-ring
commutator

/splɪt rɪŋ 'kɒmjʊ:tətə/

 soft-iron core

/sɒft 'aɪən kɔ:/

 primary coil

/'praɪməri kɔɪl/

 secondary coil

/'sekəndəri kɔɪl/

 step-up

/step ʌp/

 step-down

/step daʊn/

English**Write it 3 times** (English)high-voltage
transmission

/haɪ 'vɒltɪdʒ træ'nsmɪʃn/
