Science in Classics

Exercises on Grammar

Series 04

Notation

- Errors are blue.
- Correct versions are green.
- Comments are black.
- Highlights are red.

Error

- Insert the sample probe into the air gap between the magnet pole pieces with the probe plane is perpendicular to B.

Error

- Insert the sample probe into the air gap between the magnet pole pieces with the probe plane is perpendicular to *B*.

  "with" should not be followed by a verb

Comment

- "with" is not followed by a verb:

  with the probe plane perpendicular to *B*

- "such that" is followed by a verb:

  such that the probe plane is perpendicular to *B*

Correction

- Insert the sample probe into the air gap between the magnet pole pieces with the probe plane <no verb> perpendicular to *B*.

Error

- In this experiment, there are some precautions that we have to pay attention.

Error

- In this experiment, there are some precautions that we have to pay attention.

  Pay attention to that.

Correction

- In this experiment, there are some precautions that we have to pay attention to.

Errors

- Error may be araised by the sample probe which cannot be put exactly perpendicular to the magnetic field.

Error 1

- Error may be araised by the sample probe which cannot be put exactly perpendicular to the magnetic field.

  No such word.

Comments

- Errors may arise ...
- Errors may be caused by ...

Correction 1

- Error may be caused by the sample probe which cannot be put exactly perpendicular to the magnetic field.

Better yet

- Error may be caused because the sample probe cannot be put exactly perpendicular to the magnetic field.

Error 2

- Error may be caused because the sample probe cannot be put exactly perpendicular to the magnetic field.

"Errors" in general

Correction 2

- Errors may be caused because the sample probe cannot be put exactly perpendicular to the magnetic field.

Corrections

- Errors may be caused because the sample probe cannot be put exactly perpendicular to the magnetic field.

Error

- After the experiment, there are some conclusions that we can make.

Error

- After the experiment, there are some conclusions that we can make.

  draw a conclusion

Correction

- After the experiment, there are some conclusions that we can draw.

Better yet

- We can draw some conclusions from the experiment.

  “from” suggests logical relationship.

  “after” suggests only time sequence.

Error

- Electric currents are due to motion of charge carriers.

Error

- Electric currents are due to Δ motion of charge carriers.

  “motion” is singular and specific; should carry article the

Correction

- Electric currents are due to the motion of charge carriers.

Error

- In metals, the mobile charge carriers are electrons; however, in semiconductors are either electrons or holes.

Error

- In metals, the mobile charge carriers are electrons; however, in semiconductors ?? are either electrons or holes.

  missing subject

Correction

- In metals, the mobile charge carriers are electrons; however, in semiconductors the carriers are either electrons or holes.

Errors

- The resistivity depends on four factors: (1) charge carrier density, (2) lattice scattering, (3) lattice imperfection and (4) impurity.

Error 1

- The resistivity depends on four factors: (1) Δ charge carrier density, (2) lattice scattering, (3) lattice imperfection and (4) impurity.

  specific noun; missing the

Correction 1

- The resistivity depends on four factors: (1) the charge carrier density, (2) lattice scattering, (3) lattice imperfection and (4) impurity.

Error 2

- The resistivity depends on four factors: (1) the charge carrier density, (2) lattice scattering, (3) lattice imperfection and (4) impurity.

  more than one imperfection

Correction 2

- The resistivity depends on four factors: (1) the charge carrier density, (2) lattice scattering, (3) lattice imperfections and (4) impurity.

Error 3

- The resistivity depends on four factors: (1) the charge carrier density, (2) lattice scattering, (3) lattice imperfections and (4) impurity.

  could be many impurities

Correction 3

- The resistivity depends on four factors: (1) the charge carrier density, (2) lattice scattering, (3) lattice imperfections and (4) impurities.

Corrections

- The resistivity depends on four factors: (1) the charge carrier density, (2) lattice scattering, (3) lattice imperfections and (4) impurities.

Errors

- In this experiment, *V1* and *V2* was measured at different temperature.

Error 1

- In this experiment, *V1* and *V2* was measured at different temperature.

  subject-verb disagreement

Correction 1

- In this experiment, *V1* and *V2* were measured at different temperature.

Error 2

- In this experiment, *V1* and *V2* were measured at different temperature.

  more than one temperature

Correction 2

- In this experiment, *V1* and *V2* were measured at different temperatures.

Corrections

- In this experiment, *V1* and *V2* were measured at different temperatures.

Errors

- Therefore, resistivity of metallic sample can then be obtained by eqn. (3).

Errors

- Therefore, Δ resistivity of Δ metallic sample can then be obtained by eqn. (3).

both are specific nouns.

missing the

Corrections

- Therefore, the resistivity of the metallic sample can then be obtained by eqn. (3).

Further improvement

- Therefore, the resistivity of the metallic sample can then be obtained by eqn. (3).

repeats idea; delete one

Further improvement

- The resistivity of the metallic sample can then be obtained by eqn. (3).

Errors

- The thermometer and probe was put into a cup. Boiling water was poured into the cup until the sample and the thermometer are covered up.

Error 1

- The thermometer and probe was put into a cup. Boiling water was poured into the cup until the sample and the thermometer are covered up.

Correction 1

- The thermometer and probe were put into a cup. Boiling water was poured into the cup until the sample and the thermometer are covered up.

Error 2

- The thermometer and probe were put into a cup. Boiling water was poured into the cup until the sample and the thermometer are covered up.

  a past event

Correction 2

- The thermometer and probe were put into a cup. Boiling water was poured into the cup until the sample and the thermometer were covered up.

Error 3

- The thermometer and Δ probe were put into a cup. Boiling water was poured into the cup until the sample and the thermometer were covered up.

specific singular noun carries the

Correction 3

- The thermometer and the probe were put into a cup. Boiling water was poured into the cup until the sample and the thermometer were covered up.

Corrections

- The thermometer and the probe were put into a cup. Boiling water was poured into the cup until the sample and the thermometer were covered up.

Errors

- Steps 4 and 5 was repeated for different temperature from 0 to 100 deg C.

Error 1

- Steps 4 and 5 was repeated for different temperature from 0 to 100 deg C.

  subject-verb disagreement

Correction 1

- Steps 4 and 5 were repeated for different temperature from 0 to 100 deg C.

Error 2

- Steps 4 and 5 were repeated for different temperature from 0 to 100 deg C.

  more than one temperature

Correction 2

- Steps 4 and 5 were repeated for different temperatures from 0 to 100 deg C.

Corrections

- Steps 4 and 5 were repeated for different temperatures from 0 to 100 deg C.

Errors

- The main error is happened when taking the reading of temperature from thermometer by visual.

Error 1

- The main error is happened when taking the reading of temperature from thermometer by visual.

  The error happened.

  The error occurred.

Correction 1

- The main error happened when taking the reading of temperature from thermometer by visual.

Error 2

- The main error happened when taking the reading of temperature from thermometer by visual.

  “by” should be followed by a noun

Comment

- by visual means
- by eye
- visually

Correction 2

- The main error happened when taking the reading of temperature from thermometer by eye.

Error 3

- The main error happened when taking the reading of Δ temperature from Δ thermometer by eye.

  these are specific nouns; need the

Correction 3

- The main error happened when taking the reading of the temperature from the thermometer by eye.

Corrections

- The main error happened when taking the reading of the temperature from the thermometer by eye.

Better yet

- The main error is due to the thermometer reading.