

"feeds the whale," and "adapted each to . . . physical conditions."

"His creatures are subjects of His laws, and agents in His economy"; why not, "are agents of His laws, and subjects of His economy"? Why not his, instead of His?

P. 132, l. 5: "so, we may infer, have its currents; and so, too, its inhabitants." Fill out the ellipsis.

He must { view } it as a part of that
 { look upon }

{ nice } { apparatus }
{ delicate } { machinery }
{ exquisite } { contrivance }
{ exact }

by which the { agreements } of nature are
 { concords }
 { harmonies }
 { blendings }

{ maintained } and then he will begin to
{ preserved }
{ kept up }

{ notice } the { unfoldings } of order,
{ perceive } { developments }
{ see } { disclosures }
{ observe }

and the { proofs } of { design }
 { evidences } { plan }
 { signs } { forethought }

Discuss consecutively the merits of the foregoing substitutions, and explain your reason for preferring any word to the other or others in the same group:—

"The whales first pointed out the existence of the Gulf Stream by avoiding its warm waters."

Compare the appropriateness of this sentence with the same idea expressed in the passive form.

State clearly the meaning of each of the following:

She *only* remains obedient to her helm.
She remains *only* obedient to her helm.
She remains obedient *only* to her helm.
She remains obedient to her helm *only*.

Trace the course of the Gulf Stream.

What led to its discovery?

Why do the polar waters flow towards the equator?

What causes the polar waters to deviate towards the west as they approach the equator?

State the cause of the formation of the Sargasso Sea.

State accurately the positions of the following:—Gulf of Mexico, Arctic Sea, Mississippi, Bermuda, South Carolina, New England, New York, Delaware, Chesapeake, Cape St. Roque, Brazil, Carribean Sea, Florida, Cuba, Britain, Erin, Albion, Labrador, Newfoundland, Norway, Azores, Canaries, Cape de Verde Islands and the Sargasso Sea.

TORONTO PUBLIC SCHOOLS.

COMBINED EXAMINATION, — JUNE, 1888.

Fourth Division.

ARITHMETIC AND MENSURATION.

Examiner — Archibald MacMurchy, M.A.

(The work must be shown.)

1. During the six years ending 1886, there were in the United States 3903 strikes and 2182 lockouts, and the total number of employees involved in them was 1,478,172; the direct loss of the employers was \$34,164,914, and of the employees \$59,948,882.—*United States Labour Bureau*.

Which lost most and by how much? What was the total loss? What was the loss of each employee? What was the average number of employees involved in each strike or lockout? What was the average loss from each strike or lockout? [25]

2. In deep sea sounding it was recently found that it took 24' 10" for the weight at the end of the sounding apparatus to reach bottom in 2096 fathoms of water. Express this depth in miles and decimal of a mile, and give the rate at which the weight sank in miles per hour. [25]

3. Find the least number which will exactly contain the first ten odd numbers. [25]

4. A street $\frac{3}{4}$ of a mile contains $1\frac{1}{2}$ acres. Find its breadth. [25]

5. If 25 men reap a field in $3\frac{1}{2}$ hours, how many men could reap the same field in $6\frac{1}{2}$ hours. [25]

6. How many pins at 250 to the oz. will a ship hold which carries 500 tons? [25]