

One pound of saturated steam at 160° C. is blown into 19 lbs. of water at 0° C., and the resulting temperature is 32.765° C. Find the latent heat of steam at 160° C.

16. Describe and explain the method of using some form of dew-point hygrometer, and show how to determine the humidity of the air by means of it.

CLASSICS.

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Junior Matriculation: Arts and Medicine.

GREEK.

Examiner—William Dale, M.A.

I.

Translate :

Πρόξενος δὲ ὁ Βουώτιος, εὐθὺς . . .
τὸν δὲ ἀδικούντα μὴ ἐπαινεῖν.

—Xenophon, *Anabasis*, B. II.

1. Parse ἦντᾶσθαι, κτήσεσθαι, ἦσχύ-
νετο, ἀρχικόν.

2. ἔδωκε Γοργία ἀργύριον. Explain.
Give some account of Gorgias.

3. ἔδωκε. Write out the tense fully.
What other verbs form the aorist tense simi-
larly?

4. αἰδῶ. Parse and decline fully in the
singular.

5. ἀπεχθανεσθαι. Write out fully the
perf. ind. of this verb.

II.

Translate :

Ὡς εἰπὼν ἀλόχοιο . . . θαλερόν
κατὰ δάκρυ χέουσα.

—Homer, *Iliad*, B. VI.

1. Parse ἐποίχεσθαι, ἐγγεγάασιν, εἰλετο,
χέουσα.

2. Derive ἰστόν, ἡλακάτην, φαίδιμος,
θαλερόν.

3. Scan the lines beginning πᾶσιν, ἔμοι
and ἔππουρην.

4. Point out the Epic forms in the five

last lines, and give the corresponding forms
in Attic.

5. Translate and parse the words of the
following lines:

Δεσμὸν ἀπορρήξας θεῇ πεδίῳ κροαίνων,
Εἰωθὼς λούεσθαι ἐν μεγάροις ποταμοῖο,
Κυδιῶν.

HONORS.

I.

Translate:

Ἄλλ' ὅτε δὴ τὴν νῆσον ἐλείπομεν, . .
ὑπεκφυγείν καὶ ἀλύξαι.

—Homer, *Odyssey*, B. XII.

1. Parse ἔπατ', εἶλει, μνήσεσθαι, ἀλύξαι.

2. Give the Latin etymological equivalents
of λείπω, καπνός, ἴδον, ἐρετμός, χεῖρ,
κληίς.

3. Give an account of (1) οἱ χωρίζοντες,
(2) ὁ ἐπικὸς κυκλός.

Translate:

Ἡέλιος δ' ἀνόρουσε, . . . τινα
πότμον ἐπέσπεν.

—Ib., II.

II.

Translate:

Ὅπως μὲν γὰρ ἡ Μακεδονικὴ, . . .
ζῆν ἀσφαλῶς ἡρημένος.

—Demosthenes, *Olynthiacs*, II.

1. Parse προήρηται, συμβῆ, παθεῖν.

2. ζῆν. What other verbs form their
infinitive in the same way?

3. ἐπὶ τῷ ὁθέου . . . Ποτίδαιαν.
Explain with dates.

4. Give some account of the history of
Olynthus.

Translate:

Ὅταν, ὦ ἄνδρες Ἀθηναῖοι, . . .
ὡς δεινὰ καὶ χαλεπὰ, ταῦτα διεξερχόμεθα.

—Demosthenes, *Philippics*, II.

GREEK GRAMMAR—HONORS.

1. Point out the laws of euphony exempli-
fied in the following words: ἐρριμμαι,
Ἀτθίς, κόρυς, παμφαίνω, πᾶσι, βουλεύ-
θητι, βάλλω.

2. State the principal rules for the accentu-
ation of verbal forms.