POOR DOCUMENT

TEACHER'S COLUMN. Devoted to the Interests of the

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re alternates

them.

In Which We Publish the En-trance, Monthly and Final Ex-amination Papers Used in the Normal School.

ThisColumn is Open For Communications, and Will Contain Articles of Special in-terest to Every Teacher.—Teachers Wish-ing for Information on Any School Ques-tion Can Obtain the Same by Enquiring Through This Column.

NORMAL SCHOOL.

The Final Examination Papers-Contin from Last Issue. General Chemistry.

GRAMMAR SCHOOL. Time, 1 hr. 30 min. fully. 1. Explain the difference between elements and compounds. What principles govern the classification of elements? The classification of compounds? Name five elements noticeable for their abundance, and five for their rarity.

2. Compare the combustion of the follow pling over all antagonism"; "debating his with the components. ing substances : Mg., S., H., P., Fe. Exommand of silence given"; ' the pilot star of plain in each case the relation of the combustion to the heat and light produced. appetite"; "take a horse and arms for guer-3. How would you proceed to get N from

air? H from water? Cl. from con 4. When was "Locksley Hall" originally its length. As from AsH3? Ether from alcohol? Iron oublished? Indicate briefly the drift and from Hematite? purpose of this poem. 4. What is meant in chemistry by the

5. Quote the passage from "Locksley Hall" terms : Reduction, Valency, Isomers, Homologons Series, Negative Radicals, Compound ending Federation of the world." Radicals. Give illustrations in each case. 6. Express briefly in your own language 5. What is the relation of ozone to oxygen? the thought contained in the following ex-

How can the relation be shown? How is it tracts accounted for? What is the part played by a. 'But the jingling of the guinea helps ozone in nature? the hu., that honor feels, and the nations do 6. Explain why ammonia is formed in gas but murmur, snariing at each other's heels.' work«. What is ammonium? Give symbols

b. 'Yet I doubt not thro' the ages one for its chloride, sulphate and nitrate, respec tively. If the latter be strongly heated what reaction results! 7. Give symbols for the following sub

soda water.

chemical groups.

stances : Bleaching, powder, saleratus baking soda, white lead vinegar, epsom salts, fluor years of Europe than a cycle of Catany. d. 'Step by step we gain'd a freedom spar, plaster of Paris, gunpowder, black lead,

known to Europe, known to all; step by step we rose to greatness,-thre' the tonguesters 8. Enumerate, as far as you can, the useful we may fall. pro-lucts derived from the distillation of coal 7. Discuss briefly the leading qualities of

and woal tar, referring them to their proper Tennyson's style. Quote from any of his poems lines in which the sound is made to be 9. Where is cane an echo to the sense.

X. On what general principles should a x straight sides. , The distance A F= me table for a grammar school be drawn up? 9.25 chains and the perpendicular on . N. B.-Questions III. and IV.-V. and VI E from F=6.4" chains. The distance E=1375 chains and the perpendicular BE from D-7 chains. The distance DB= **English Literature** 10 chains and the perpendicular on DB GRAMMAE SCHOOL AND I. Time, 1hr.

from C=4 chains. Also the perpendicular 1. Where did Tennyson get the materials on B E from A=4.75 chains. Required for the composition of his Idylls? What was the area of the field in acres and square the object of these poems? Give the date of poles. their publication.

2. In what connection do the following Time, 1 hr cur? Name the speaker :--Six questions make a full paper.

a. "I will not fight my way with gilded 1. How is the effect of a force in arms. All shall be iron.' direction different from its own estimatb. "Tho' men may bicker with the things

ed? Find the effect of a force of 23 lbs. they love. They would not make them laughable in all eyes. Not while they loved in a direction making with the line of the sorce an angle = 60 degrees. If the angle c. "I love that beauty should go beauti. becomes 90 degrees what do you obtain

for the effect. Define component and d. "The world will not believe a man resultant forces. Show how to resolve a epents. And this wise world of ours is force into two components at right angle to each other. mainly right.

2. The resultant of two forces acting a e. "I have griefs enough : Pray you b right angles is double the lesser of the gentle, pray you let me be." components; find the angles it makes 3. Explain briefly the meaning of : "Top

PHIENIX LIVERY STABLE 3. A body is supported on a smooth in (Lately the Geo. I. Gunter Stable.) my lone life"; the vicious quitch"; "angrier clined plane by a force parallel to the Opp. A. F. Randolph & Sons, plane. Shew that the power is to the resistance as the height of the plane is to

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-- AND-

GRAINER

SPECIALTY. appended to its two extremities, where beginning, "For I dipt into the future," and must the fulcrum be placed to produce Prompt and Courteous treatment

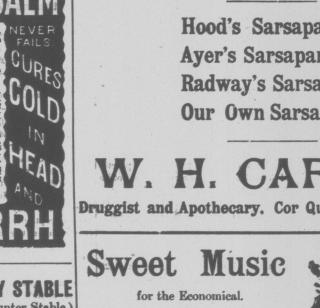
> to all Patrons. 5. Find the height to which a body pro May 13th, '93.-1y. jected vertically with a velocity of

feet per second will ascend. 6. Explain the action of the sipho 1893. 893. Would it act in a vacuum? Why? 7. Why is the bore of the tube of thermometer so small? Why need not

ncreasing purpose runs, and the thoughts of the bore of a barometer tube be as small? men are widen'd with the process of the suns.' 8. (a) Explain the statement that elec c. 'Thro' the shadow of the globe we tricity only attracts electrified bodies, (b) sweep into the younger day : Better fifty how do you account for thunder and PAINTER lightning?

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om Catarrh in a mild or more acute forn. ng done in Waluut, Cherry, Maho The offensive breath, headache and naus any, Oak, Satin Wood, Hungarian Ash, R. produced by this complaint are only a few of **Doors Grained** Price \$1.50 its evil results. Hawker's Catarrh Cure is a



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