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**“органическая химия обобщение”****По горизонтали:****4.** Какими углеводородами являются алкены.   **6.** класс органических соединений, способный вступать в реакции этерификации.   **8.** непредельный углеводород, в молекуле которого имеется двойная связь и способен образовывать цис и транс изомеры.   **9.** продукты реакции этерификации.   **10.** общее название: метил, этил, пропил.   **12.** изомерия характерная, для органических соединений с кратными связями.  **По вертикали:****1.** одно из названий алифатических углеводородов.   **2.** класс органических соединений, родоначальником которого является ацетон.   **3.** продукты окисления первичных спиртов.   **5.** реакция взаимодействия карбоновых кислот со спиртами.   **7.** что будет делать раствор перманганата с углеводородом, в молекулах которых есть кратные связи.   **11.** органическое вещество, которое оказывает пагубное воздействие на организм и при взаимодействии с металлами, образует алкоголяты.   **13.** класс непредельных углеводородов, для которых характерно ступенчатое присоединение водорода.  **Кроссворд по теме: «Органические соединения и химические реакции характерные для них»****Цель: обобщить и систематизировать знания по темам «органические соединения и химические реакции характерные для них»**1. **Обучающие цели: повторить и закрепить материал по теме, акцентировать внимание на именных реакциях, носящих фамилии русских и зарубежных ученых**
2. **Развивающие: усовершенствовать универсальные учебные действия по изучаемому предмету, также развить логическое и абстрактно-образное мышление, по средствам умственного «виртуального» химического эксперимента.**
3. **Воспитательные: развитие патриотизма и чувства гордости за Родину**
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