

## Subject: “Final test”

### Vocabulary

➤ Переведите с английского на русский и с русского на английский:

to be concerned with			быть разделенным на
efficiency			исследование, изучение
the criterion of spontaneous change			достигать
to deal with			подвергаться чему-либо
insight			сворачивание белка
chain			Граница фаз
deployment			кривая охлаждения
repelling			предсказывать
to distinguish			преобразование
unzipping			состав
avoidance			вероятность/осуществимость
metabolism			очень разбавленный
constant-pressure/volume heat capacity			ионная сила
feasibility			моляльность
propagation			кулоновское взаимодействие

➤ Переведите предложения на русский язык:

1. *The entropy (it can be proved) is a state function, a property with a value that depends only on the present state of the system.*
2. *At constant temperature and pressure, the change in Gibbs energy accompanying a process is equal to the maximum non-expansion work the process can do.*
3. *The phase diagram of a substance is a map showing the conditions of temperature and pressure at which its various phases are thermodynamically most stable.*
4. *A theory that accounts for their values in very dilute solutions was developed by Peter Debye and Erich Hückel in 1923.*
5. *In biological cells, nutrients, ions, and electrons are constantly moving across membranes and from one cellular compartment to another.*

➤ Составьте 5 предложений, употребляя словарные слова:

1. \_\_\_\_\_  
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2. \_\_\_\_\_  
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3. \_\_\_\_\_  
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4. \_\_\_\_\_  
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