乂学教育api文 档



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数学

生产域名: qb-api.91xedu.com

测试域名: dev-qb-api.91xedu.com

路径: math/版本号/方法

本文档使用 **看云** 构建 - 3 -

version1.0

*int:tid=not null#专题ID

```
+++1
get:/math/v1/getTopicList##获取专题列表
*int:type=not null#试题类型 1招生抓手 2demo课 3产品
<<<
response
  "code": 200,
  "data": [
     {
         "tid": 1,
         "flow_id": 1,
         "topic": "苏教版七年级",
         "pic_url": "http://file1.classba.com.cn/sj7.jpg"
     },
{
         "tid": 2,
         "flow_id": 1,
         "topic": "苏教版八年级",
         "pic_url": "http://file1.classba.com.cn/sj8.jpg"
     },
{
         "tid": 3,
         "flow_id": 1,
         "topic": "苏教版九年级",
         "pic_url": "http://file1.classba.com.cn/sj9.jpg"
     },
         "tid": 4,
         "flow_id": 1,
         "topic": "人教版七年级",
         "pic_url": "http://file1.classba.com.cn/rj7.jpg"
     }
  "msg": ""
}
+++
+++2
get:/math/v1/getTopicByTopicId##获取专题信息
```

本文档使用看云构建 -4-

```
<<<
response
```

```
"code": 200,
"data": {
    "id": 55,
    "flow_id": 1,
"lesson": "苏教版九年级第二学期",
    "kmap_code": "ms_c9_02",
    "topic_name": "二次函数解析式及最值",
    "pic_url": "http://oj9i72p0a.bkt.clouddn.com/2.%E8%8B%8F%E6%95%99%E7%
89%88-9.png",
    "knowledge_map": [
        {
            "tag_name": "待定系数法求二次函数的解析式",
            "tag_code": "c170107",
            "video": [
                {
                    "description": "基础",
                    "video_url": "http://media1.classba.cn/c170107-01.mp4
",
                    "image_url": "http://uploads.classba.cn/jichushipin.p
ng"
                },
                    "description": "巩固",
                    "video_url": "http://media1.classba.cn/c170107-02a.mp
4",
                    "image_url": "http://uploads.classba.cn/gonggushipin.
png"
                }
            ]
       },
{
            "tag_name": "二次函数解析式的三种形式",
            "tag_code": "c170108",
            "video": [
                {
                    "description": "基础",
                    "video_url": "http://media1.classba.cn/c170108-01.mp4
",
                    "image_url": "http://uploads.classba.cn/jichushipin.p
ng"
                },
                    "description": "巩固",
                    "video_url": "http://media1.classba.cn/c170108-02a.mp
4",
                    "image_url": "http://uploads.classba.cn/gonggushipin.
png"
                }
```

```
1
  "msg": ""
}
+++
+++3
get:/math/v1/getKnowledgeList##获取知识点列表
<<<
response
  "code": 200,
  "data": {
      "math_20160815_et": [
              "knowledge_id": 1,
              "open_id": "57d0cc86a66d201aa44c8d66",
              "name": "同底数幂的乘法",
              "knowledge_video": "[{\"description\":\"巩固\",\"video_url\":\
  "http://media1.classba.cn/cz1401.mp4\",\"image_url\":\"\"}]",
              "code": "cz1401"
         },
{
              "knowledge_id": 2,
              "open_id": "57d0cc91a66d201ab43f8e77",
              "name": "同底数幂的乘法逆用",
              "knowledge_video": "[{\"description\":\"\",\"video_url\":\"ht
  tp://media1.classba.cn/cz1402.mp4\",\"image_url\":\"\"}]",
              "code": "cz1402"
         },
{
              "knowledge_id": 3,
              "open_id": "57d0cc99a66d201aa304a185",
              "name": "幂的乘方",
              "knowledge_video": "[{\"description\":\"巩固\",\"video_url\":\
  "http://media1.classba.cn/cz1403.mp4\",\"image_url\":\"\"}]",
              "code": "cz1403"
          },
              "knowledge_id": 4,
              "open_id": "57d0cca2a66d201aa50eb65e",
              "name": "幂的乘方逆用",
              "knowledge_video": "[{\"description\":\"\",\"video_url\":\"ht
  tp://media1.classba.cn/cz1404.mp4\",\"image_url\":\"\"}]",
              "code": "cz1404"
          },
              "knowledge_id": 5,
```

本文档使用 看云 构建 - 6 -

```
"open_id": "57d0ccaea66d2002667f1307",
              "name": "积的乘方"
              "knowledge_video": "[{\"description\":\"\",\"video_url\":\"ht
  tp://media1.classba.cn/cz1405.mp4\",\"image_url\":\"\"}]",
              "code": "cz1405"
          }
      ]
 },
"msg": ""
+ + +
+ + + 4
get:/math/v1/getKnowledgeByCode##通过code获取知识点信息
*string:knowledge=not null#知识点
< < <
response
  "code": 200,
 "data": {
      "knowledge_id": 9,
      "name": "多项式乘多项式",
      "knowledge_video": [
              "description": "",
              "video_url": "http://media1.classba.cn/cz1409.mp4",
              "image_url": ""
          }
     ],
"code": "cz1409",
"5740ccd9a6
      "id": "57d0ccd9a66d20026438f206"
  "msg": ""
+++
+++5
get:/math/v1/getQuestionsByKnowledge##通过知识点获取试题
string:knowledge=not null#知识点
int:module=null#模块
int:used_type=null#用途
int:difficulty=null#难度多个,分开
```

```
<<<
response
  "code": 200,
  "data": [
          "id": "58ddbdc5f4aeb551003272bb",
          "question_type": 2,
          "difficulty": "2",
          "used_type": 2
      },
{
          "id": "58ddbdc5f4aeb551003272bc",
          "question_type": 2,
          "difficulty": "2",
          "used_type": 2
      },
{
          "id": "58ddbdc5f4aeb551003272bd",
          "question_type": 2,
          "difficulty": "2", "used_type": 2
      }
 ],
"msg": ""
}
+++
+++6
get:/math/v1/getZhlxQuestionIds##获取综合练习的试题
*int:tid=not null#专题ID
<<<
response
  "code": 200,
  "data": {
      "0101": [
              "id": 13582,
               "number": "mr_c7_06_01_01_1"
          },
              "id": 13583,
               "number": "mr_c7_06_01_01_2"
```

```
"id": 13584,
             "number": "mr_c7_06_01_01_3"
         }
    ],
"0102": [
         {
             "id": 13585,
             "number": "mr_c7_06_01_02_1"
         },
             "id": 13586,
             "number": "mr_c7_06_01_02_2"
        },
{
             "id": 13587,
             "number": "mr_c7_06_01_02_3"
        }
    ],
"0103": [
         {
             "id": 13588,
             "number": "mr_c7_06_01_03_1"
         },
             "id": 13589,
             "number": "mr_c7_06_01_03_2"
        },
             "id": 13590,
             "number": "mr_c7_06_01_03_3"
         }
    ],
"0104": [
             "id": 13591,
             "number": "mr_c7_06_01_04_1"
         }
    ]
},
"msg": ""
```

```
+++
+++7
get:/math/v1/getQuestionIdsByModule##通过模块获取试题
int:module=not null#模块
string:knowledge=null#知识点
*int:used_type=null#用途
```

```
<<<
response
  "code": 200,
  "data": [
           "id": "58ddbdc5f4aeb551003272bb",
           "difficulty": "2",
"used_type": 1
      },
{
           "id": "58ddbdc5f4aeb551003272bc",
           "difficulty": "2",
           "used_type": 1
       },
           "id": "58ddbdc5f4aeb551003272bd",
           "difficulty": "2",
"used_type": 1
      }
  ],
"msg": ""
}
+++
+++8
get:/math/v1/getQuestionById##获取试题信息
*int:question_id=not null#试题ID
<<<
response
  "code": 200,
  "data": {
       "id": "57ddeef7a66d2002192ce7b4",
       "content": "",
"q_type": 1,
       "options": [
           {
                "content": "",
                "key": "A",
"answer": ""
           },
                "content": "",
```

本文档使用 **看云** 构建 - 10 -

```
"key": "B",
"answer": ""
          },
{
               "content": "",
               "key": "C",
"answer": ""
          },
               "content": "",
"key": "D",
"answer": ""
          }
     "answer": "A",
     "answer_base64": "",
"answer_editor": "",
     "analyze": [
          {
               "content": [
                    {
                         "content": "",
                         "is_has_answer": 0
                    },
{
                         "content": "",
                         "is_has_answer": 0
                    },
{
                         "content": "",
                         "is_has_answer": 0
                    }
               ],
"title": ""
          }
     "video_url": "",
     "estimates_time": 0,
     "module": [
          2,
          7,
     ],
"used_type": 2,
     "knowledge": [
          {
               "code": "c070105",
               "name": "积的乘方"
     "difficulty": "3"
},
"msg": ""
```

本文档使用 看云 构建 - 11 - } +++

本文档使用 **看云** 构建 - 12 -

version2.0

```
+++1
get:/math/v2/getQuestionIdsByModule##通过模块获取试题
int:module=not null#模块
string:knowledge=null#知识点
*int:used_type=null#用途
<<<
response
  "code": 200,
  "data": [
     {
         "id": "58ddbdc5f4aeb551003272bb",
         "difficulty": "2",
         "used_type": 1
     },
{
         "id": "58ddbdc5f4aeb551003272bc",
         "difficulty": "2",
         "used_type": 1
     },
{
         "id": "58ddbdc5f4aeb551003272bd",
         "difficulty": "2",
         "used_type": 1
     }
 ],
"msg": ""
+++
+++2
get:/math/v2/getQuestionsByKnowledge##通过知识点获取试题
string:knowledge=not null#知识点
int:module=null#模块
int:used_type=null#用途
string:difficulty=null#难度
<<<
```

本文档使用 **看云** 构建 - 13 -

```
response
```

```
"code": 200,
"data": [
    {
         "id": "25f14412-58d2-11e7-9712-00163e1004d0",
         "question_type": 2,
         "difficulty": "2",
         "used_type": 1
    },
{
        "id": "25f80028-58d2-11e7-9712-00163e1004d0",
         "question_type": 2,
         "difficulty": "3", 
"used_type": 1
    },
{
        "id": "25feb304-58d2-11e7-9712-00163e1004d0",
         "question_type": 1,
         "difficulty": "3",
         "used_type": 1
    },
         "id": "25f4c76c-58d2-11e7-9712-00163e1004d0",
         "question_type": 2,
         "difficulty": "2",
         "used_type": 1
    },
{
         "id": "25fb6ec8-58d2-11e7-9712-00163e1004d0",
         "question_type": 1,
         "difficulty": "3",
         "used_type": 1
    },
         "id": "2601f792-58d2-11e7-9712-00163e1004d0",
         "question_type": 2,
         "difficulty": "2",
         "used_type": 1
    }
],
"msg": ""
```

```
+++
+++3
get:/math/v2/getQuestionById##获取试题信息
*int:question_id=not null#试题ID
```

```
<<<
response
{
```

" AAACBklEQVRoQ+3Zz4tNcRjH8deUYsGGjSlhoSSKSVmwkL0srPxIzcpuRJo"

```
]
   "answer_editor": [
          "<p&qt;&lt;img class=&quot;kfformula&quot; src=&quot;data:
image/png;base64,iVBORw0KGgoAAAANSUhEUgAAAEIAAAA1CAYAAAD1cz2RAAACBk1EQVRo
Q+3Zz4tNcRjH8deUYsGGjSlhoSSKSVmwkL0srPxIzcpuRJoFzaywQ1PDwoadFIn8AzYsRGmiZ
sHfQKwkQw/fqTN13Vsz9/yo+5y6q9v5nu"
   ],
"analyze": [
          "content": [
                 "content": "<p>#:\\({x^{ - 2m}} = ({x^m})^{-2} = {3^{
{y^n})^{-1} = \frac{1}{2}^{\cdot}. \\ (({x^{2m}}{y^n})^{-1} = {x^{ - 2m}}{y^{ - 2m}}{y^{ - 2m}})
n} = \frac{{\m enbsp; {1}}}{{\m enbsp; {9}}} \
\rm  {1}}}{{\\rm  {2}}} =\\frac{{\\rm  {1}}}{{{\\rm  
{18}}}\\\). ",
                 "is_has_answer": 0
          "title": ""
   ],
"video_url": "",
   "estimates_time": 120,
```

```
"module": [
         1
      "used_type": 1,
     "knowledge": [
             "code": "c080210",
             "name": "负整数指数幂"
     ],
"difficulty": "2"
 },
"msg": ""
+++
+++4
get:/math/v2/getKnowledgeByCode##通过code获取知识点信息
*string:knowledge=not null#知识点
<<<
response
  "code": 200,
  "data": {
     "tag_name": "多项式乘多项式",
     "video": [
         {
             "description": "",
             "video_url": "http://media1.classba.cn/cz1409.mp4",
             "image_url": ""
     "tag_code": "cz1409"
  "msg": ""
+++
+++5
get:/math/v2/getZhlxQuestionIds##获取综合练习的试题
*int:tid=not null#专题ID
<<<
response
```

本文档使用 看云 构建 - 16 - {

```
"code": 200,
"data": {
    "0101": [
        {
             "id": 13582,
             "number": "mr_c7_06_01_01_1"
        },
             "id": 13583,
             "number": "mr_c7_06_01_01_2"
             "id": 13584,
             "number": "mr_c7_06_01_01_3"
        }
    ],
"0102": [
        {
             "id": 13585,
             "number": "mr_c7_06_01_02_1"
        },
             "id": 13586,
             "number": "mr_c7_06_01_02_2"
        },
{
             "id": 13587,
             "number": "mr_c7_06_01_02_3"
        }
    ],
"0103": [
        {
             "id": 13588,
             "number": "mr_c7_06_01_03_1"
        },
             "id": 13589,
             "number": "mr_c7_06_01_03_2"
        },
             "id": 13590,
             "number": "mr_c7_06_01_03_3"
        }
    ],
"0104": [
             "id": 13591,
             "number": "mr_c7_06_01_04_1"
        }
    ]
},
"msg": ""
```

```
}
+++
+++6
get:/math/v2/questionIdList##获取试题ID
*int:limit=null#
<<<
response
  "code": 200,
  "data": [
      {
          "id": "000080ba-5831-11e7-8d60-00163e1004d0",
          "difficulty": "1"
      },
          "id": "00053bd3-5831-11e7-8d60-00163e1004d0",
          "difficulty": "2"
      },
          "id": "000882d7-5831-11e7-8d60-00163e1004d0",
          "difficulty": "2"
      },
          "id": "000bd8f2-5831-11e7-8d60-00163e1004d0",
          "difficulty": "2"
      },
{
          "id": "000fbf45-5831-11e7-8d60-00163e1004d0",
          "difficulty": "1"
      }
 ],
"msg": ""
+++
+++7
get:/math/v2/getQuestionsByTopicCode##通过专题code获取试题
string:topic_code=not null#专题code
int:module=null#模块
int:used_type=null#用途
int:difficulty=null#难度
```

本文档使用 **看云** 构建 - 18 -

```
<<<
response
{
```

} +++

本文档使用 **看云** 构建 - 19 -

语文

生产域名: qb-api.91xedu.com

测试域名: dev-qb-api.91xedu.com

路径: cn/版本号/方法

本文档使用 **看云** 构建 - 20 -

version1.0

```
+++1
get:/cn/v1/getTopicList##获取专题列表
<<<
response
{
```

```
"code": 200,
"data": {
    "1": {
        "id": 1,
        "flow_id": 1,
        "topic": "说明文之说明方法",
        "pic_url": "/static/img/shuomingwen.jpg",
        "video_url": "http://img.classba.com.cn/2016-05-02_57271c340b378.
jpg",
        "tag_code": "XD.TC.SM.FF",
        "knowledge_map": "XD.TC.SM.FF", "tag_name": "说明文之说明方法",
        "review_video": "http://media1.classba.cn/SMWSMFFZSDHG.mp4",
        "extend": {
             "1": {
                 "id": 1,
                 "video": "http://media1.classba.cn/smff.mp4"
            },
"2": {
                 "id": 2,
                 "video": "http://media1.classba.cn/hsgqs.mp4"
        }
   },
"2": {
        "id": 2,
        "flow_id": 1,
        "topic": "议论文之论证方法",
        "pic_url": "/static/img/yilunwen.jpg",
        "video_url": "http://img.classba.com.cn/2016-05-02_57271c340b378.
jpg",
        "tag_code": "XD.TC.LZ.FF",
        "knowledge_map": "XD.TC.LZ.FF", "tag_name": "议论文之论证方法",
        "review_video": "http://media1.classba.cn/YLWLZFFKDJXWQ.mp4",
        "extend": {
             "1": {
                 "id": 1,
                 "video": "http://media1.classba.cn/sssjyb.mp4"
            },
"2": {
```

本文档使用 看云 构建 - 21 -

```
"id": 2,
                   "video": "http://media1.classba.cn/dgmdsl.mp4"
              }
          }
      }
 },
"msg": ""
+++
+++2
get:/cn/v1/getTopicByTopicId##获取专题详情
*int:tid=not null#专题ID
<<<
response
  "code": 200,
  "data": {
      "id": 1,
      "flow_id": 1,
      "topic": "说明文之说明方法",
"pic_url": "/static/img/shuomingwen.jpg",
      "video_url": "http://img.classba.com.cn/2016-05-02_57271c340b378.jpg"
      "tag_code": "XD.TC.SM.FF",
      "knowledge_map": [
          {
              "tag_name": "说明方法",
               "tag_code": "XD.TC.SM.FF",
               "video_url": "http://media1.classba.cn/ZSDSPSMWFF.mp4"
          }
      "tag_name": "说明文之说明方法",
      "review_video": "http://media1.classba.cn/SMWSMFFZSDHG.mp4",
      "extend": {
          "1": {
              "id": 1,
              "video": "http://media1.classba.cn/smff.mp4"
          },
"2": {
"i,
              "id": 2,
               "video": "http://media1.classba.cn/hsgqs.mp4"
      },
"kmap_code": "XD.TC.SM.FF"
 },
"msg": ""
```

```
}
+++
+++3
get:/cn/v1/getQuestionIdsByModule##获取试题信息
int:module_id=not null#模块ID
string:tag_code=not null#标签
<<<
response
  "code": 200,
 "data": [
      "question_id": 4831
 },
 {
      "question_id": 4830
 },
  {
      "question_id": 4829
 },
{
      "question_id": 4828
 },
{
      "question_id": 4826
 }
],
 "msg": ""
+++
+++4
get:/cn/v1/getQuestionById##获取试题详情
*int:question_id=not null#试题ID
<<<
response
```

本文档使用 **看云** 构建 - 23 -

```
"code": 200,
 "data": {
     "question_id": 889,
     "type": 1,
     "q_forms": 2,
"content": "<p&gt;《史记》首创"纪传体",分为本纪、世家、列传、表、书。其中关
 于列传内容表述正确的一项是(      ) </p&gt;",
     "options": [
        {
            "answer": "<p&gt;记诸侯国和汉代诸侯、勋贵兴亡&lt;/p&gt;"
        },
            "answer": "<p&gt;记重要人物的言行事迹,主要叙人臣&lt;/p&gt;"
        },
            "key": "C",
            "answer": "<p&gt;记历代帝王政绩&lt;/p&gt;"
        },
            "key": "D"
            "answer": "<p&gt;记各种典章制度,记礼、乐、音律、历法、天文、封禅
 、水利、财用</p&gt;"
        }
     ],
"answer": "B",
     "score": 0,
     "analyze_text": "<p&gt;《史记》中的"列传"主要记录重要人物的言行事迹等等。&
 lt;/p>",
     "analyze_link": "",
     "knowledge_point_url": "",
     "used_type": 1,
     "diffcult": 3,
     "estimates_time": 0,
     "module": [
        1,
        5
     ]
 },
"msg": ""
}
+++
+++5
```

```
+++
+++5
get:/cn/v1/getQuestionByTopicId##获取试题信息
array:tids=not null#专题ID 是个数组
int:page=not null#页数
*int:pageRows=not null#数量
<<<
```

- 24 -

```
response
```

}

```
"code": 200,
"data": {
    "question_rows": 50,
    "question": [
             "question_id": 72,
             "type": 2,
             "q_forms": 1,
"content": ""
             "options": "",
             "answer": "",
             "score": 0,
             "analyze_text": "",
             "analyze_link": "",
             "knowledge_point_url": "",
             "used_type": 0,
             "diffcult": 3,
             "estimates_time": 0,
             "topic_name": "测试课",
             "topic_id": 15
        },
             "question_id": 219,
             "type": 1,
             "q_forms": 2,
             "content": ""
             "content": "",
"options": "",
             "answer": "B",
             "score": 9,
             "analyze_text": "<p&gt;B: 无比喻论证。&lt;/p&gt;",
             "analyze_link": "",
             "knowledge_point_url": "",
             "used_type": 0,
             "diffcult": 2,
             "estimates_time": 0,
             "topic_name": "议论文之论证方法",
             "topic_id": 2
        }
    ]
},
"msg": ""
```

```
+++
+++6
get:/cn/v1/getQuestionsByAttribute##获取试题信息
int:module_id=not null#模块ID
```

```
string:difficulty=not null#难度
*string:tag_code=not null#标签
< < <
response
  "code": 200,
  "data": [
      {
          "question_id": 193,
          "module": "1",
          "tag_code": "XD.TC.LZ.FF",
          "difficulty": 3
      },
{
          "question_id": 194,
          "module": "1",
          "tag_code": "XD.TC.LZ.FF",
          "difficulty": 3
      },
{
          "question_id": 195,
          "module": "1",
          "tag_code": "XD.TC.LZ.FF",
          "difficulty": 3
      }
 ],
"msg": ""
}
+++
+++7
get:/cn/v1/getKnowledgeByCode##获取知识点
*string:knowledge=not null#知识点
<<<
response
  "code": 200,
  "data": [
          "tag_name": "2017暑期文言文句式",
          "tag_code": "SQ.WY.JS",
          "knowledge_point_url": "http://media1.classba.cn/cjwywjszsdsp.mp4
```

本文档使用 **看云** 构建 - 26 -

本文档使用 **看云** 构建 - 27 -

version2.0

```
+++1
get:/cn/v2/getQuestionsByKnowledge##通过知识点获取试题信息
string:knowledge=not null#知识点
int:module=null#模块
int:used_type=null#用途
int:difficulty=null#难度
*int:level=null#等级
<<<
response
  "code": 200,
  "data": [
      {
          "id": 20540,
          "question_type": 1,
          "difficulty": 2,
"used_type": 1
      },
{
          "id": 20542,
          "question_type": 1,
          "difficulty": 2,
"used_type": 1
      },
{
          "id": 20545,
          "question_type": 2,
          "difficulty": 2,
"used_type": 1
      }
  ],
"msg": ""
+++
+++2
get:/cn/v2/getQuestionsByModule##通过模块获取试题信息
int:module=not null#模块
```

本文档使用 **看云** 构建 - 28 -

```
int:difficulty=null#难度
int:level=null#等级
int:used_type=null#用途
<<<
response
```

```
"code": 200,
"data": [
    {
        "id": 411,
        "q_type": 1,
        "q_forms": 2,
"content": ""
        "options": "",
        "answer": "A",
        "score": 0,
        "analyze_text": "<p&gt;按照从一般到个别的逻辑顺序来说明。&lt;/p&gt;"
        "analyze_link": "",
        "knowledge_point_url": "",
        "used_type": 1,
        "difficulty": 3
    },
{
        "id": 412,
        "q_type": 1,
        "q_forms": 2,
        "content": ""
        "options": "",
"answer": "B",
        "score": 0,
        "analyze_text": "<p&gt;文章内容理解不正确。&lt;/p&gt;",
        "analyze_link": "",
        "knowledge_point_url": "",
        "used_type": 1,
        "difficulty": 3
        "id": 414,
        "q_type": 1,
        "q_forms": 2,
"content": "",
        "options": "",
        "answer": "C",
        "score": 0,
        "analyze_text": "<p&gt;还介绍了霾的定义和成因。&lt;/p&gt;",
        "analyze_link": "",
        "knowledge_point_url": "",
        "used_type": 1,
        "difficulty": 2
```

本文档使用 **看云** 构建 - 29 -

```
}
 ],
"msg": ""
+ + +
+++3
get:/cn/v2/getErrorCodeInfoByErrorCode##获取错因信息
*string:error_code=not null#错因
<<<
response
  "code": 200,
 "data": {
     "reason_name": "意动用法",
     "code": "A_yd",
     "content": null,
     "video": "http://media1.classba.cn/cyyd.mp4"
 },
"msg": ""
+ + +
+++4
get:/cn/v2/getQuestionsByErrorCode##通过错因获取试题
*string:error_code=not null#错因
<<<
response
  "code": 200,
  "data": [
      {
         "id": 19201,
         "used_type": 1,
          "difficulty": 8
     },
{
         "id": 19269,
         "used_type": 2,
          "difficulty": 2
```

本文档使用 **看云** 构建 - 30 -

```
},
{
         "id": 19276,
         "used_type": 1,
         "difficulty": 2
     }
 ],
"msg": ""
+ + +
+++5
get:/cn/v2/getTitleQuestions##获取题帽题
int:module=null#模块
int:difficulty=not null#难度
*int:level=not null#等级
<<<
response
 "code": 200,
 "data": [
     {
         "question_title_id": 666,
         "content": "",
         "translation": "",
         "question_list": [
                 "id": 21170,
                 "q_type": 1,
                 "q_forms": 2,
                 "content": "<p&gt;1.下列选文中划线实词解释正确的一项是( &am
 p;nbsp;    ) (2分) <br/&gt;&lt;/p&gt;&lt;p&gt;有鹦鹉飞
 <span style=&quot;border-bottom: 1px solid black;&quot;&gt;集&lt;/span
 >他山</p&gt;",
                 "options": "",
                 "answer": "C",
                 "score": 2,
                 "analyze_text": "<p&gt;一只鹦鹉飞到了其他山上&lt;br/&gt;&l
 t;/p><p&gt;&lt;br/&gt;&lt;/p&gt;",
                 "analyze_link": "",
                 "knowledge_point_url": "",
                 "used_type": 0,
                 "difficulty": 1
             },
                 "id": 21171,
                 "q_type": 1,
```

+++ +++6

```
"q_forms": 2,
               "content": ""
              "options": "",
"answer": "B",
               "score": 3,
               "analyze_text": "<p&gt;鹦鹉远远的看见了,于是将身子钻进水里
,沾湿羽毛,飞过森林把水洒在火上。<br/&gt;&lt;/p&gt;&lt;p&gt;&lt;br/&gt;&lt;
/p>",
               "analyze_link": "",
               "knowledge_point_url": "",
               "used_type": 0,
               "difficulty": 1
           },
{
              "id": 21172,
              "q_type": 1,
              "q_forms": 2,
               "content": ""
               "options": "",
              "answer": "B",
               "score": 3,
               "analyze_text": "<p&gt;注意:汝:你。&amp;nbsp; 云:语气词
. </p&gt;",
               "analyze_link": "",
               "knowledge_point_url": "",
               "used_type": 0,
               "difficulty": 1
           },
              "id": 21173,
               "q_type": 1,
               "q_forms": 2,
               "content": "<p&gt;4.对本文的分析不正确的一项是( &amp;nbsp;
& nbsp; ) (4分) < /p&gt; ",
               "options": "",
               "answer": "A"
               "score": 4,
               "analyze_text": "<p style=&quot;text-indent: 2em;&quot
;>由"山中禽兽辄相贵重。"可知,山上的飞禽走兽都对它很友善,但鹦鹉有自己的想法,此处
虽然好,却不是自己能久留的地方。</p&gt;",
               "analyze_link": "",
               "knowledge_point_url": "",
               "used_type": 0,
               "difficulty": 1
           }
       ]
   }
"msg": ""
```

```
本文档使用 看云 构建 - 32 -
```

```
get:/cn/v2/getQuestionByTitleId##获取题帽题下试题
*int:question_title_id=not null#题帽题ID
<<<
response
{
```

```
"code": 200,
"data": {
   "question_title_id": 712,
   "content": "",
   "diffcult": 2,
   "level_code": 6,
   "translation": ""
   "question_list": {
       "21354": {
          "question_id": 21354,
          "type": 1,
          "q_forms": 2,
          "content": "1. 下列选项与划线实词解释一致的是(  &nbs
p; ) (2分) <br/>/p>冻风时<span style=\"border-bottom: 1px solid black;
\">作</span>",
          "options": [
              {
                 "kev": "A",
                 "answer": "<p&gt;有圣人&lt;span style=&quot;border-
bottom: 1px solid black;"&qt;作</span&qt;, 构木为巢以避群害&lt;/p&qt
                 "content": "<p&gt;有圣人&lt;span style=&quot;border
-bottom: 1px solid black;">作</span&gt;, 构木为巢以避群害&lt;/p&g
t;"
              },
                 "key": "B",
                 "answer": "<p&gt;泉水激石, 泠泠&lt;span style=&quot;
border-bottom: 1px solid black;">作</span&gt;响&lt;/p&gt;",
                 "content": "<p&gt;泉水激石,冷冷&lt;span style=&quot
;border-bottom: 1px solid black;">作</span&gt;响&lt;/p&gt;"
              },
              {
                 "key": "C"
                 "answer": "<p&gt;一鼓&lt;span style=&quot;border-bo
ttom: 1px solid black;">作</span&gt;气, 再鼓而衰&lt;/p&gt;",
                 "content": "<p&gt;一鼓&lt;span style=&quot;border-b
ottom: 1px solid black;">作</span&gt;气, 再鼓而衰&lt;/p&gt;"
              },
                 "key": "D".
                 "answer": "<p&gt;其中往来种&lt;span style=&guot;bord
er-bottom: 1px solid black;">作</span&gt;, 男女衣着, 悉如外人&lt;/
p>",
                 "content": "<p&gt;其中往来种&lt;span style=&guot;bor
der-bottom: 1px solid black;">作</span&gt;, 男女衣着, 悉如外人&lt;
```

本文档使用 看云 构建 - 33 -

```
/p>"
                      }
                 "answer": "A",
                 "score": 2,
                 "analyze_text": "<p&gt;作:兴起,出现&lt;br/&gt;&lt;/p&gt;&l
t;p>A. 兴起;出现。</p&gt;&lt;p&gt;B. 发动;发出;发生&lt;/p&gt;&lt;p&gt
;C. 振作;振奋</p&gt;&lt;p&gt;D. 劳作;劳动&lt;/p&gt;",
                 "analyze_link": "",
                 "knowledge_point_url": ""
                 "estimates_time": 0,
                 "used_type": 0,
                 "diffcult": 2,
                 "module": null,
                 "reason": [],
                 "factors": []
          },
"21355": {
                 "question_id": 21355,
                 "type": 1,
                 "q_forms": 2,
                 "content": "2.下列句子中划线的虚词意义和用法完全相同的一项是(&nbs
p;    ) (3分) ",
                 "options": [
                      {
                            "kev": "A".
                            "answer": "<p&gt;作&lt;span style=&quot;border-bot
tom: 1px solid black;">则</span&gt;飞沙走砾。&amp;nbsp;&amp;nbsp
;       
庙堂之高<span style=&quot;border-bottom: 1px solid black;&quot;&qt;则&lt
;/span>忧其民。</p&gt;"
                            "content": "<p&gt;作&lt;span style=&quot;border-bo
ttom: 1px solid black;">则</span&gt;飞沙走砾。&amp;nbsp;&amp;nbs
p;      
居庙堂之高<span style=&quot;border-bottom: 1px solid black;&quot;&qt;则&
lt;/span>忧其民。</p&gt;"
                      },
                            "kev": "B",
                            "answer": "<p&gt;若脱笼&lt;span style=&quot;border-
bottom: 1px solid black;">之</span&gt;鹄。&amp;nbsp;&amp;nbsp;&
amp;nbsp;      
爱莲<span style=&quot;border-bottom: 1px solid black;&quot;&gt;之&lt;/s
pan>出淤泥而不染。</p&gt;"
                            "content": "<p&gt;若脱笼&lt;span style=&quot;border
-bottom: 1px solid black;">之</span&gt;鹄。&amp;nbsp;&amp;nbsp;
       &
爱莲<span style=&quot;border-bottom: 1px solid black;&quot;&gt;之&lt;/s
pan>出淤泥而不染。</p&gt;"
                      },
                            "kev": "C".
                            "answer": "<p&gt;红装&lt;span style=&quot;border-bo
ttom: 1px solid black;">而</span&gt;蹇者。&amp;nbsp;&amp;nbsp;&
amp; nbsp; & 
国富<span style=&quot;border-bottom: 1px solid black;&quot;&qt;而&lt;/s
```

本文档使用 **看云** 构建 - 34 -

```
pan>不知存恤。</p&gt;",
                "content": "<p&gt;红装&lt;span style=&guot;border-b
ottom: 1px solid black;"&qt;而</span&qt;蹇者。&amp;nbsp;&amp;nbsp;
       &b
国富<span style=&quot;border-bottom: 1px solid black;&quot;&gt;而&lt;/s
pan>不知存恤。</p&gt;"
            },
             {
                "kev": "D"
                "answer": "<p&gt;未不能&lt;span style=&quot;border-
bottom: 1px solid black;">以</span&gt;游堕事。&amp;nbsp;&amp;nbs
p;      
amp;nbsp;故临崩寄臣<span style=&quot;border-bottom: 1px solid black;&quo
t;>以</span&gt;大事。&lt;/p&gt;",
                "content": "<p&gt;未不能&lt;span style=&quot;border
-bottom: 1px solid black;"&qt;以</span&qt;游堕事。&amp;nbsp;&amp;nb
sp;      
 故临崩寄臣<span style=&quot;border-bottom: 1px solid black;&qu
ot;>以</span&gt;大事。&lt;/p&gt;"
         "answer": "A",
         "score": 3,
         "analyze_text": "<p&gt;A."则":连词, "就"。&lt;br/&gt;&lt;/p
><p&gt;B. "之": ①结构助词, "的"; ②助词, 取消句子独立性。&lt;/p&gt;&lt;p&gt;C."而": ①连词, 表并列; ②连词, 表转折。&lt;/p&gt;&lt;p&gt;D."以": ①介词, "因
为";②介词,"把"。 </p&gt;",
         "analyze_link": "",
         "knowledge_point_url": "",
         "estimates_time": 0,
         "used_type": 0,
         "diffcult": 2,
         "module": null,
         "reason": [],
         "factors": []
      },
"21356": {
         "question_id": 21356,
         "type": 1,
         "q_forms": 2,
         "content": "3. 下列对"始知郊田之外未始无春,而城居者未之知也"一句
翻译正确的一项是(  )(3分)",
         "options": [
             {
                "key": "A"
                "answer": "<p&gt; (我这)才知道郊野之外还没到春天,只不过
住在城里的人还没去过啊。</p&gt;",
"content": "<p&gt;(我这)才知道郊野之外还没到春天,只不
过住在城里的人还没去过啊。</p&gt;"
            },
                "kev": "B"
                "answer": "<p&gt; (我这)才知道郊野之外还没到春天,可住在
城里的人还没去过啊。</p&gt;",
                "content": "<p&gt; (我这)才知道郊野之外还没到春天,可住
在城里的人还没去过啊。</p&gt;"
```

本文档使用 看云 构建 - 35 -

```
},
               "key": "C",
               "answer": "<p&gt; (我这) 才知道郊野之外未尝没有春天,只不
过住在城里的人却不知道啊。</p&gt;",
               "content": "<p&gt;(我这)才知道郊野之外未尝没有春天,只
不过住在城里的人却不知道啊。</p&gt;"
           },
            {
               "key": "D"
               "answer": "<p&gt;(我这)才知道郊野之外未尝没有春天,可住
在城里的人却不知道啊。</p&gt;"
               "content": "<p&gt; (我这)才知道郊野之外未尝没有春天,可
住在城里的人却不知道啊。</p&gt;"
         "answer": "D",
         "score": 3,
         "analyze_text": "<p&gt;"始知....."省略了主语"我";未始:未必、未尝
,不一定;而:表转折。未之知:宾语前置,应该是"未知之"。</p&gt;",
         "analyze_link": "",
         "knowledge_point_url": "",
         "estimates_time": 0,
         "used_type": 0,
         "diffcult": 2,
         "module": null,
        "reason": [],
        "factors": []
     },
"21357": {
         "question_id": 21357,
         "type": 1,
         "q_forms": 2,
         "content": "4.下列对文章的理解或赏析不正确的一项是(  
  ) (4分) ",
         "options": [
           {
               "answer": "<p&gt;文章第一段写作者渴望出游和不能出游的矛盾
 "居促一室之内"写出内心的懊丧和郁闷,下文的"若脱笼之鹄"与此照应,形象贴切地写出作者从
局促困居的情况下解脱出来的喜悦之情。</p&gt;",
               "content": "<p&gt;文章第一段写作者渴望出游和不能出游的矛
盾,"居促一室之内"写出内心的懊丧和郁闷,下文的"若脱笼之鹄"与此照应,形象贴切地写出作者
从局促困居的情况下解脱出来的喜悦之情。</p&gt;"
           },
            {
               "kev": "B"
               "answer": "<p&gt;作者如一位高明的摄影师,多方位、多角度、
多侧面地描写满井的风物,有全景,有特写,近景远景相结合,而且着力描写景物的动态,为我们描
摹了一幅生机勃勃的早春风光图。</p&gt;",
               "content": "<p&gt;作者如一位高明的摄影师,多方位、多角度
 多侧面地描写满井的风物,有全景,有特写,近景远景相结合,而且着力描写景物的动态,为我们
描摹了一幅生机勃勃的早春风光图。</p&gt;"
           },
               "kev": "C",
```

```
"answer": "<p&gt;作者用词巧妙,许多语句具有表里相关的双重
 意蕴,如"廿二日天稍和"的"和"字既写天气的暖和,也透露出作者心情的解冻;"而此地适于余近"
 的"近"不仅指空间距离的相近,也指性情品格的相近。</p&gt;",
"content": "&lt;p&gt;作者用词巧妙,许多语句具有表里相关的双
 重意蕴,如"廿二日天稍和"的"和"字既写天气的暖和,也透露出作者心情的解冻;"而此地适于余近
 "的"近"不仅指空间距离的相近,也指性情品格的相近。</p&gt;"
              },
              {
                 "answer": "<p&gt;文章卒章显志,"未不能以游堕事,潇然于山
 石草木之间者,惟此官也。"一句透露出作者独特的个性与性情,"潇然"表达他对自己能够纵情遨游
 、享受自然的满足之感,"惟"字则表明他对自己官小职闲的嫌弃。</p&gt;",
                 "content": "<p&gt;文章卒章显志, "未不能以游堕事, 潇然于
 山石草木之间者,惟此官也。"一句透露出作者独特的个性与性情,"潇然"表达他对自己能够纵情遨
 游、享受自然的满足之感,"惟"字则表明他对自己官小职闲的嫌弃。</p&gt;"
           "answer": "B",
           "score": 4,
           "analyze_text": "<p&gt;"他对自己官小职闲的嫌弃"错误,应该是:他庆
 幸自己的官职是个闲职,不怕耽误公事,因而有时间纵情遨游,表达了作者厌弃喧嚣尘俗的城市生活
 , 寄意于山川草木的潇洒情怀。) </p&gt;",
           "analyze_link": "",
           "knowledge_point_url": "",
           "estimates_time": 0,
           "used_type": 0,
           "diffcult": 2,
           "module": null,
           "reason": [],
           "factors": []
       }
    }
 "msg": ""
}
+ + +
+++7
get:/cn/v2/getQuestionById##获取试题信息
*int:question id=not null#试题ID
<<<
response
 "code": 200,
 "data": {
    "question_id": 889,
    "question_title_id": 0,
    "type": 1,
```

```
"q_forms": 2,
    "content": "《史记》首创"纪传体",分为本纪、世家、列传、表、书。其中关于列传
内容表述正确的一项是(      ) ",
    "options": [
       {
           "key": "A",
"answer": "<p&gt;记诸侯国和汉代诸侯、勋贵兴亡&lt;/p&gt;",
"content": ""
       },
           "key": "B",
           "answer": "<p&gt;记重要人物的言行事迹,主要叙人臣&lt;/p&gt;",
"content": ""
       },
           "key": "C",
"answer": "<p&gt;记历代帝王政绩&lt;/p&gt;",
"content": ""
       },
       {
           "key": "D",
           "answer": "<p&gt;记各种典章制度,记礼、乐、音律、历法、天文、封禅
、水利、财用</p&gt;",
           "content": ""
    ],
    "answer": "B",
    "score": 0,
    "analyze_text": "<p&gt;《史记》中的"列传"主要记录重要人物的言行事迹等等。&
lt;/p>",
    "analyze_link": "",
    "knowledge_point_url": "",
    "used_type": 1,
    "diffcult": 3,
    "estimates_time": 0,
    "tag_code": null,
    "tag_value": null,
    "question_title": [],
    "reason": [],
    "factors": []
},
"msg": ""
```

+++

}

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物理

生产域名: qb-api.91xedu.com

测试域名: dev-qb-api.91xedu.com

路径: phy/版本号/方法

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version1.0

```
+++1
get:/phy/v1/getQuestionsByKnowledge##通过知识点获取试题
string:knowledge=not null#知识点
int:module=null#模块
int:used_type=null#用途
int:difficulty=null#难度
<<<
response
  "code": 200,
  "data": [
          "id": "97191703093444980",
          "question_type": 1,
          "difficulty": "6", 
"used_type": 2
      },
{
          "id": "97191703093445001",
          "question_type": 1,
"difficulty": "4",
"used_type": 2
      }
 ],
"msg": ""
+++
+++2
get:/phy/v1/getKnowledgeByCode##获取知识点信息
*string:knowledge=not null#知识点code
<<<
response
  "code": 200,
```

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```
"data": [
      {
          "knowledge_id": "97107497508143152",
          "name": "力的表示",
          "knowledge_video": [
              {
                  "description": "基础",
                  "video_url": "http://media1.classba.cn/wl_lx_l_04.mp4",
                  "image_url": "http://uploads.classba.cn/jichushipin.png"
              }
          ],
"code": "wl_lx_l_s004"
      }
 ],
"msg": ""
}
+++
+++3
get:/phy/v1/getQuestionsByErrorCode##通过错因获取试题
*string:error_code=not null#错因
<<<
response
  "code": 200,
  "data": [
      {
          "id": "97187529375089568",
          "difficulty": "6"
      },
          "id": "97187529375089568",
          "difficulty": "6"
      },
          "id": "97189236473594376",
          "difficulty": "3"
      },
{
          "id": "78c9385a-56ab-11e7-8fa7-00163e1004d0",
          "difficulty": "2"
      },
          "id": "97191703093445484",
          "difficulty": "4"
      }
 ],
"msg": ""
```

```
}
+++
+ + + 4
get:/phy/v1/getErrorCodeInfoByErrorCode##通过知识点获取错因信息
*string:error_code=not null#错因
<<<
response
 "code": 200,
 "data": {
     "reason_id": 52,
     "name": "重力与质量成正比",
     "content": "物体的重力与质量成正比,但物体的质量与重力无关,质量是物体本身的属性
     "code": "52",
     "audio": "",
     "video": ""
 },
"msg": ""
+++
+++5
get:/phy/v1/getQuestionIdsByModule##通过模块获取试题ID
int:module_id=not null#模块
int:limit=null#
*int:offset=null#
<<<
response
 "code": 200,
 "data": [
         "id": "f917189f-5492-11e7-8c70-00163e1004d0",
         "q_type": "RADIO",
         "serial_number": "126wl_lx_l_s007_4",
 "content": "<p&gt;(2015秋•瑶海区期末)一个球形物体O静止放在水平地面上,并与竖直墙相接触,A、B两点是球与墙和地面的接触点,则下列说法正确的是(  )&lt;/p&g
 t; <p&gt;&lt;img width=118 height=103 id=&quot;图片 10&quot; src=&quot
本文档使用 看云 构建
```

```
;http://file1.classba.cn/126wl_lx_l_s007.files/image005.png"><
      <p&gt;&lt;/p&gt;",
/p&qt;
       "options": "[{\"content\":\"<p&gt;A点一定有弹力作用&lt;/p&gt;\",\
"answer\":\"<p&gt;A点一定有弹力作用&lt;/p&gt;\",\"key\":\"A\"},{\"content
\":\"<p&gt;B点一定有弹力作用&lt;/p&gt;\",\"answer\":\"&lt;p&gt;B点一定有弹
力作用</p&gt;\",\"key\":\"B\"},{\"content\":\"&lt;p&gt;A、B两点一定都有弹
力作用</p&gt;\",\"answer\":\"&lt;p&gt;A、B两点一定都有弹力作用&lt;/p&gt;\",
\"key\":\"C\"}, {\"content\":\"<p&gt;A、B两点都没有弹力作用&lt;/p&gt;\",\"
answer\":\"<p&gt;A、B两点都没有弹力作用&lt;/p&gt;\",\"key\":\"D\"}]",
      "answer": "B",
       "analyze": "[{\"title\":\"\",\"content\":[{\"content\":\"解:
物体与A、B两点都接触,与B点发生挤压而产生弹性形变,与A点没有发生挤压从而不产生弹性形变
,所以只有B点产生弹力作用. </p&gt; &lt;p&gt;故选B. &lt;/p&gt; &lt;p&gt;\"
}]}]",
       "method num": "1"
   },
      "id": "f91c41cb-5492-11e7-8c70-00163e1004d0",
       "q_type": "RADIO"
       "serial_number": "126wl_lx_l_s007_5",
       "content": "<p&gt; (2016•枣庄) 如图所示, 一根弹簧, 一端固定在竖直墙上
,在弹性限度内用手水平向右拉伸弹簧的另一端,下列有关"弹簧形变产生的力"的描述正确的是(
   ) </p&gt; &lt;p&gt;&lt;img width=123 height=47 id=&quot;图片 33&quo
t; src=" http://file1.classba.cn/126wl_lx_l_s007.files/image006.png&g
nswer\":\"<p&gt;手对弹簧的拉力&lt;/p&gt;\",\"key\":\"A\"},{\"content\":\
"<p&gt;弹簧对手的拉力&lt;/p&gt;\",\"answer\":\"&lt;p&gt;弹簧对手的拉力&lt;/
p>\",\"key\":\"B\"},{\"content\":\"<p&gt;墙对弹簧的拉力&lt;/p&gt;\",\
"answer\":\"<p&gt;墙对弹簧的拉力&lt;/p&gt;\",\"key\":\"C\"},{\"content\"
:\"<p&gt;以上说法都不正确&lt;/p&gt;\",\"answer\":\"&lt;p&gt;以上说法都不正
确</p&gt;\",\"key\":\"D\"}]",
       "answer": "B",
       "analyze": "[{\"title\":\"\",\"content\":[{\"content\":\"解:
弹簧形变产生的力,即弹簧的弹力,施力物体为弹簧,因为是手拉弹簧,所以弹簧发生形变,产生的
是对手的拉力. 故ACD错误、B正确. </p&gt; &lt;p&gt;故选:B. &lt;/p&gt; &lt;p
>\"}]}]",
       "method num": "1"
   },
{
       "id": "f9222b5d-5492-11e7-8c70-00163e1004d0",
       "q_type": "RADIO"
       "serial_number": "126wl_lx_l_s007_6",
      "content": "<p&gt; (2016秋•槐荫区期末) 在图中, A、B两球相互间一定有弹
力作用的图是(
             ) </p&qt;"
       "options": "[{\"content\":\"<p&gt;&lt;img width=97 height=109
id="图片 34" src="http://file1.classba.cn/126wl_lx_l_s007.f
iles/image007.png"></p&gt;\",\"answer\":\"&lt;p&gt;&lt;img wid
th=97 height=109 id="图片 34" src="http://file1.classba.cn/
126wl_lx_l_s007.files/image007.png"></p&gt;\",\"key\":\"A\"},{
\"content\":\"<p&gt;&lt;img width=101 height=106 id=&quot;图片 35&quot;
src="http://file1.classba.cn/126wl_lx_l_s007.files/image008.png&quo
t;> </p&gt;\",\"answer\":\"&lt;p&gt;&lt;img width=101 height=106 id
="图片 35" src="http://file1.classba.cn/126wl_lx_l_s007.fil
es/image008.png"> </p&gt;\",\"key\":\"B\"},{\"content\":\"&lt;
p><img width=106 height=78 id=&quot;图片 36&quot; src=&quot;http://f
```

```
ile1.classba.cn/126wl_lx_l_s007.files/image009.png"></p&gt;\",
 \"answer\":\"<p&qt;&lt;img width=106 height=78 id=&quot;图片 36&quot; s
 rc="http://file1.classba.cn/126wl_lx_l_s007.files/image009.png"
 ></p&gt;\",\"key\":\"C\"},{\"content\":\"&lt;p&gt;&lt;img width=115
  height=79 id="图片 37" src="http://file1.classba.cn/126wl_
 lx_l_s007.files/image010.png"></p&gt;\",\"answer\":\"&lt;p&gt;
 <img width=115 height=79 id=&quot;图片 37&quot; src=&quot;http://file1.
 classba.cn/126wl lx_1_s007.files/image010.png"&qt;</p&qt;\",\"key
 \":\"D\"}]",
        "answer": "B"
        "analyze": "[{\"title\":\"\",\"content\":[{\"content\":\"解:
 弹力的产生必须满足两个条件:相互接触且发生弹性形变. </p&gt; &lt;p&gt;由图可知:
 A、C中两个小球都相互接触,但它们之间并没有相互挤压的作用,也就不能发生弹性形变,从而不
 能产生弹力. </p&gt; &lt;p&gt;D无法确定两个小球之间到底有没有挤压作用,所以也就
 无法确定有没有弹力. </p&gt; &lt;p&gt;B中,两个小球所受的重力与绳子的拉力不是一
 对平衡力,所以这两个小球都受到了对方的力的作用,从而发生弹性形变产生弹力。</p&qt;
  <p&gt;故选 B. &lt;/p&gt; &lt;p&gt;\"}]}]",
        "method num": "1"
     }
 "msg": ""
}
+++
+++6
get:/phy/v1/getQuestionById##获取试题
*int:guestion id=not null#试题ID
<<<
response
 "code": 200,
 "data": {
     "id": "f917189f-5492-11e7-8c70-00163e1004d0",
     "q_type": 1,
     "serial_number": "126wl_lx_l_s007_4",
     "content": "(2015秋•瑶海区期末)一个球形物体0静止放在水平地面上,并与竖直墙
 相接触, A、B两点是球与墙和地面的接触点, 则下列说法正确的是(  )  <img widt
 h=118 height=103 id=\"图片 10\" src=\"http://file1.classba.cn/126wl_lx_l_s
 007.files/image005.png\"> ",
     "options": [
            "content": "<p&gt;A点一定有弹力作用&lt;/p&gt;",
"answer": "<p&gt;A点一定有弹力作用&lt;/p&gt;",
            "kev": "A"
        },
            "content": "<p&gt;B点一定有弹力作用&lt;/p&gt;",
            "answer": "<p&gt;B点一定有弹力作用&lt;/p&gt;",
```

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```
"kev": "B"
       },
           "content": "<p&gt;A、B两点一定都有弹力作用&lt;/p&gt;",
           "answer": "<p&gt;A、B两点一定都有弹力作用&lt;/p&gt;",
           "kev": "C"
       },
           "content": "<p&gt;A、B两点都没有弹力作用&lt;/p&gt;",
           "answer": "<p&gt;A、B两点都没有弹力作用&lt;/p&gt;",
           "key": "D"
       }
   ],
"answer": "B",
   "analyze": [
       {
           "title": "",
           "content": [
                  "content": "解:
                                   物体与A、B两点都接触,与B点发生挤压而产
生弹性形变,与A点没有发生挤压从而不产生弹性形变,所以只有B点产生弹力作用. </p&gt;
<p&gt;故选B. &lt;/p&gt; &lt;p&gt;"
           ]
       }
   ],
   "method_num": "1",
   "answer_editor": "B",
   "answer_base64": "B",
   "video_url": "",
   "prompt": [
       "弹力产生的条件",
       "两个物体需要相互接触,还要发生弹性形变"
   "estimates_time": 0,
   "module": 1,
   "used_type": 1,
   "difficulty": "4",
   "factors": [],
   "knowledge": [
           "code": "wl_lx_l_s007",
           "name": "弹力"
   "reason": {
       "err_option_A": {
    "err_code": "31",
           "err_name": "产生弹力的条件"
       "err_option_C": {
           "err_code": "31",
           "err_name": "产生弹力的条件"
       "err_option_D": {
           "err code": "31",
```

```
"err_name": "产生弹力的条件"
         }
     }
  "msg": ""
+++
+++7
get:/phy/v1/getQuestionsByModuleNew##通过模块获取试题
int:module=not null#模块
strig:knowledge=null#知识点
*int:used_type=null#用途
<<<
response
  "code": 200,
  "data": [
          "id": "97191703093444980",
         "difficulty": "6",
"used_type": 2
     },
{
         "id": "97191703093445001",
          "difficulty": "4",
          "used_type": 2
     }
 ],
"msg": ""
+++
+++8
get:/phy/v1/getQuestionsByModule##通过模块获取试题
int:module=not null#模块
strig:knowledge=null#知识点
*int:used_type=null#用途
<<<
response
```

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{

, +++

本文档使用 **看云** 构建 - 47 -