

IF LIGHTENING STRIKE METHANE GAS UNDER HIGH PRESSURE

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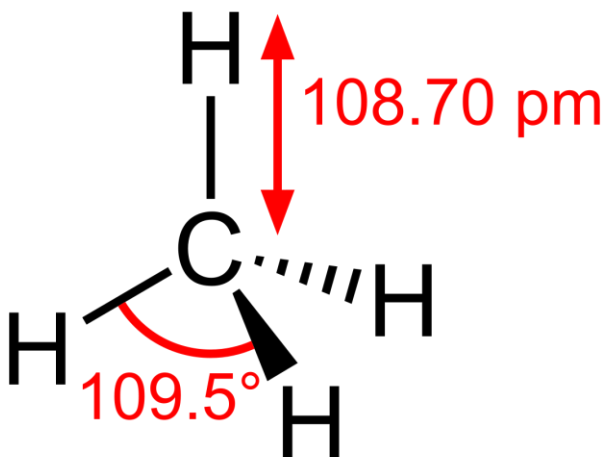
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ABSTRACT: In this research paper we will study about one of the question never considered “ if lightning strike methane gas under high pressure then what will form and how ?” with the help of some references we can conclude the answer of above question . In this research paper we will try to find out the answer of our questions from different definitions and theories of various scientist in physics and chemistry . This research will help to clarify the doubt of the observations . All the supportive theories and logics will be used to propose a general research conducted on the basis of observations and theories . The current situation is that we will study about methane , lightning , pressure and we will take the example of saturn.

KEYWORDS: Methane , lightning , pressure .

I. INTRODUCTION

The research conducted on the basis of both the view , we will first consider the question and then realise the condition applicable on it to find the sufficient result . So the question is “ IF THE LIGHTENING STRICK THE METHANE GAS UNDER HIGH PRESSURE WHAT WILL FORM ?” Firstly we will study about methane gas that it is a chemical compound with the chemical formula of CH_4 . It is formed from carbon and hydrogen . Its molar mass is 16.04g/mol , boiling point is 161.5 degree



PRESSURE-

It is the force applied perpendicular the surface of an object per unit area over which that force is distributed.

$$\text{PRESSURE} = \text{FORCE} / \text{AREA}$$

II. PROCESS OG LIGHTENING ON METHANE

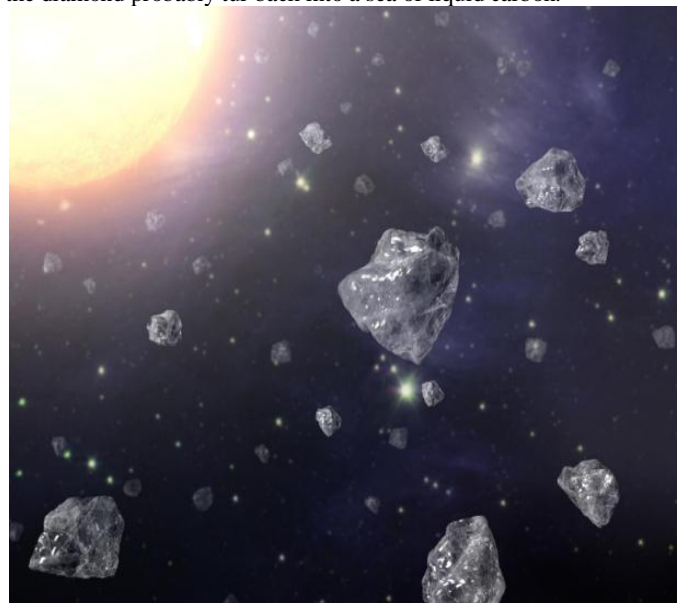
When lightning strike the methane , it get seperated ,it converts into carbon atom . As the carbon falls under high

pressure then it gets converted into graphite which is the allotrope of carbon atom . After that when we apply more pressure on it the graphite get converted into the most precious stone diamond .



III. JUPITER AND SATURN

Diamonds rain on the surface of jupiter and saturn by the same process we have discussed above , after turning into graphite it falls 4,000 miles or so , the pressure is so great that graphite get converted into diamond . These diamonds fall for aother20,000 miles .and then the pressure and temprature becomes so high that the diamond probably tur back into a sea of liquid carbon.



IV. RESULT

The result of research of clear that when lightning strike on methane gas under high pressure diamond I formed.

V. CONCLUSION

Above research help us to get the answer of question raised ,
we can also make it possible on earth by further experiments.

REFERENCES

- [1] WIKIPEDIA (DEFINATIONS)
- [2] GOOGLE IMAGES